Reso. No.	Approved	Subject	Summary
18-0001	1-9-18	CS-203A Amendment 2	Approve Amendment No. 2 to **Agreement No. CS-203A**, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, JV, extending the agreement duration by one year and increasing the agreement amount by $1,000,000, in order to continue to provide as-needed specialized and technical services for the WWE.
18-0002	1-9-18	HH-983	Approve increase to the existing contract cost contingency in the amount of $1,600,000, and increase to the contract duration contingency by 57 consecutive calendar days, for **Contract No. HH-983**, Cherry Dam Outlet Works Rehabilitation; and authorize future modifications to the contract for a total revised contract amount of up to $7,463,740, and a total revised contract duration of up to 760 consecutive calendar days.
18-0003	1-9-18	WD-2770	Approve increase in the construction contract cost and duration contingencies for **Contract No. WD-2770**, Cathodic Protection for Transmission Pipelines at Various Locations, Phase 1, in the amount of $283,000, with an increase to the existing contract duration contingency of 300 consecutive calendar days; and authorize future modifications to the contract for a total revised contract amount of up to $2,307,814, and a total duration of up to 564 consecutive calendar days.
18-0004	1-9-18	WD-2817	Approve an increase in the construction contract duration contingency for **Contract No. WD-2817**, Peninsula Pipeline Seismic Upgrade Phase 3, with Mitchell Engineering, Inc., by 150 consecutive calendar days; and authorize future modifications to the contract for a total revised contract duration of up to 585 consecutive calendar days.
18-0005	1-9-18	WW-619	Accept work performed by J. Flores Construction, Inc., for **Contract No. WW-619**, As-Needed Spot Sewer Replacement No. 34, for a total contract amount of $8,041,675, and with a total contract duration of 429 consecutive calendar days; and authorize final payment.
18-0006	1-9-18	WW-657R	Approve the plans and specifications, and award **Contract No. WW-657R**, Drumm & Jackson Streets Sewer Improvements, in the amount of $5,240,900, to the lowest, qualified, responsible, and responsive bidder, Anvil Builders Inc., to rehabilitate both the Drumm Street and Jackson Street Box Sewers.
18-0007	1-9-18	MOU with SFRPD	Authorize a **MOU** with the SF Recreation and Parks Department (SFRPD) to establish authorized entry and access to SFRPD properties by SFPUC representatives in order to inspect, install, modify, remove, repair, replace, and test a temporary overhead powerline in McLaren Park for the redevelopment of the Sunnydale Housing facilities as part of HOPE SF.
18-0008	1-9-18	DB-128R2	Approve an increase to the existing contract cost in the amount of $7,653,800, and an increase to the contract duration by 168 consecutive calendar days for **Contract No. DB-128R2**, Bay

			Corridor Transmission and Distribution – Phase 1; and authorize future modifications to the contract for a total revised contract amount of up to $24,466,123, and a total contract duration of up to 672 consecutive calendar days.
18-0009	1-9-18	PRO-0076A-C	Approve the selection of Kennedy/Jenks Consultants-AGS Joint Venture, AECOM Technical Services, Inc., and Stantec Consulting Services, Inc., Water Resources Engineering, Inc.); and award **Agreements Nos. PRO.0076A-C**, As-Needed Engineering Design Services, to Kennedy/ Jenks-AGS JV (PRO.0076A); AECOM Technical Services, Inc., (PRO.0076B); and Stantec-WRE JV (PRO.0076C), to provide specialized engineering design services on an as-needed basis; and authorize three professional services agreements each with an amount not-to-exceed $4,000,000, and each with a duration of five years, or in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer(s).
18-0010	1-23-18	WW-637	Approve the plans and specifications, and award **Contract No. WW-637**, Various Locations Sewer Replacement and Pavement Renovation No. 5, in the amount of $4,107,083, and with a duration of 526 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Shaw Pipeline, Inc., to replace the existing sewers and street pavement on specified streets in the Visitacion and Sunnydale neighborhood.
18-0011	1-23-18	Public Hearing: SuperGreen Rate Premium and Modifications to CPSF Net Energy Metering Tariff	Approve revised **SuperGreen rate premiums for the CleanPowerSF program and proposed modifications to CleanPowerSF's Net Energy Metering Tariff**, to be effective March 1, 2018 to: (1) Reduce CleanPowerSF's SuperGreen premium to $0.015 per kilowatt-hour (kWh) for residential customers and $0.010 per kWh for commercial customers; and (2) Modify the existing CleanPowerSF Net Energy Metering Tariff to: (a) eliminate the current two-tier Net Surplus Compensation (NSC) Rate in favor of a single NSC Rate and discontinue the requirement that customers transfer rights to the Renewable Energy Credits produced to the program; (b) set credit rollover as the default compensation method for NSC, with a check payment available by request; and (c) clarify that true-ups for NSC determination will only be conducted for customers who have completed at least 10 billing cycles in the program.
18-0012	1-23-18	CPSF Credit and Fee Agreements with JP Morgan Chase	Approve the form of a **Credit Agreement and associated Fee Agreement** with JP Morgan Chase Bank with a not-to-exceed commitment amount of $150,000,000 and term of up to six years to provide credit support of the CleanPowerSF Program; and authorize the GM to negotiate final terms and execute the Credit Agreement and associated Fee Agreement.
18-0013	1-23-18	WD-2383	Approve the plans and specifications and award **Contract No. WD-2838**, Sunol Valley Water Treatment Plant (SVWTP) Powdered Activated Carbon System, for an amount not-to-exceed

			$5,965,300, and with a duration of 386 consecutive calendar days to Anvil Builders Inc., to construct a powdered activated carbon facility to reduce taste and odors in the regional drinking water system for water coming from SVWTP; and authorize the GM to negotiate and execute a contract with the sole qualified, responsible, and responsive bidder, Anvil Builders Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2).
18-0014	1-23-18	Mission Rock Project (Seawall Lot 337 and Pier 48)	Authorize the GM to consent to the **Development Agreement** between the CCSF and Seawall Lot 337 Associates, LLC, as it relates to matters under the SFPUC's jurisdiction; Consent to the Mission Rock (Seawall Lot 337 and Pier 48) Project Interagency Cooperation Agreement; and Adopt findings, pursuant to the CEQA, and a MMRP.
18-0015	2-13-18	CS-294.I Amendment 1	Approve Amendment No. 1 to **Agreement No. CS-294.I**, Confined Space Rescue Training, with Enviro Safetech, Inc., to provide confined space rescue trainings to SFPUC employees; and authorize the amendment, increasing the agreement amount by $30,000, and extending the agreement duration by one year and two months, for a total not-to-exceed agreement amount of $58,000, and a total duration of four years and two months.
18-0016	2-13-18	HH-982	Approve increase to the existing contract duration contingency in the amount of 56 consecutive calendar days for **Contract No. HH-982**, Moccasin Facilities Upgrade Moccasin Shops/Office Building and Materials Bins; and authorize future modifications to the contract duration of up to 650 consecutive calendar days, with no change to the contract amount.
18-0017	2-13-18	HH-990R	Approve the plans and specifications, and award **Contract No. HH-990R**, Moccasin Penstock Rehabilitation, in the amount of $6,858,300, to the lowest, qualified, responsible and responsive bidder, Anvil Builders, to perform penstock rehabilitation measures to enhance the reliability of the penstocks.
18-0018	2-13-18	PUC.PRO.0073	Award **Agreement No. PUC.PRO.0073**, Treasure Island (TI) Wastewater Treatment Plant and Recycled Water Facility Engineering Services; Approve the selection of Carollo Engineers, Inc., to provide planning and design services for the proposed TI Wastewater Treatment Plant and Recycled Water Facility; and authorize the GM to negotiate and execute a professional services agreement for a total amount not-to-exceed $4,800,000, with a duration of five years.
18-0019	2-13-18	WD-2686	Approve an increase to the existing contract duration contingency of up to 180 consecutive calendar days, for **Contract No. WD-2686**, AWSS Pumping Station No. 1 Improvements; and authorize future contract modifications to the contract for a total contract duration of up to 1,438 consecutive calendar days, with no change to the contract amount.
18-0020	2-13-18	WD-2747	Approve an increase to the existing construction contract duration contingency in the amount

			of 150 consecutive calendar days, for **Contract No. WD-2747**, AWSS New Cisterns F; and authorize future modifications to the contract for a total revised contract duration of up to 623 consecutive calendar days, with no change to the contract amount.
18-0021	2-13-18	WW-638	Approve an increase to the existing construction contract duration of an additional 125 consecutive calendar days, for **Contract No. WW-638**, Griffith Yard Improvements; and authorize modifications to the contract to increase the total contract duration from 480 days to up to 605 consecutive calendar days, with no change in contract amount.
18-0022	2-13-18	Biennial Operating & Programmatic Project Budgets	Discussion and possible action to adopt the **Biennial Operating and Programmatic Project Budgets** for the Enterprises and Bureaus under the jurisdiction of the SFPUC for FY 2018-19 and FY 2019-20.
18-0023	2-13-18	Two-Year Capital Budget and Supplemental Appropriation	Adopt the **two-year Capital Budget**; Authorize the GM to seek approval for **Supplemental Appropriations** for the SFPUC Enterprises for FY 2018-19 and FY 2019-20; and authorize the GM to submit to the BOS proposed Ordinances authorizing the issuance of: (1) $496,677,886 aggregate principal amount of Water Revenue Bonds and other forms of indebtedness, including commercial paper and State Revolving Fund (SRF) loans, and $982,843,065 aggregate principal amount of Wastewater Revenue Bonds and other forms of indebtedness, including commercial paper and SRF loans, subject to the terms of Proposition E (approved by the voters November 2002); and (2) $154,928,059 aggregate principal amount of Power Revenue Bonds and other forms of indebtedness, including commercial paper and loans.
18-0024	2-13-18	10-Year Capital Plan	Adopt the SFPUC **10-Year Capital Plan** for FY 2018-19 through FY 2027-28.
18-0025		10-Year Financial Plan	Adopt the SFPUC **10-Year Financial Plan** for FY 2018-19 through FY 2027-28.
18-0026	2-13-18	CS-200 Amendment 2	Approve Amendment No. 2 to **Agreement No. CS-200**, Right-of-Way Services, with Associated Right-of-Way Services, Inc., to provide continued right-of-way services for SFPUC capital program and other projects; and authorize the GM to negotiate and execute this amendment, extending the agreement term by two years and five months, for a total agreement duration of nine years, with no change to the agreement amount.
18-0027	2-13-18	PRO.0104	Approve the selection of Parsons Water & Infrastructure Group, Inc.; Award **Agreement No. PRO.0104**, Southeast Water Pollution Control Plant (SEP) Program Construction Management (CM) Services, to provide program-level CM oversight and supervision for the SSIP Phase 1 construction projects located at the SEP; and authorize the GM to negotiate and execute a professional services agreement with Parsons for an amount not-to-exceed $35,000,000, and with a duration of 10 years, subject to BOS approval.

18-0028	2-13-18	CPSF Supply Management Policy and CPSF Reserves Policy	Affirm that the conditions necessary to procure energy supply needed to **expand the CleanPowerSF program** have been met; direct the GM to continue to take all steps necessary to pursue expansion of CleanPowerSF service; and approve **revisions to the CleanPowerSF Supply Management Policy and CleanPowerSF Reserves Policy**.
18-0029	2-13-18	Closed Session	Elvin I. Smith v. City and County of San Francisco
18-0030	2-27-18	CS-1403(I) Amendment 1	Approve Amendment No. 2 to **Agreement No. CS-1043(I)**, Water and Wastewater Bill Collection, with Dots Printing and Stationery; and authorize the GM to execute this amendment, extending the agreement duration by one year and six months, for a total agreement duration of four years, with no change in contract amount, to continue providing collection services for payment of SFPUC water and wastewater bills for customers in Chinatown.
18-0031	2-27-18	WD-2799	Approve the plans and specifications, and award **Contract No. WD-2799**, Cathodic Protection for 24" and 36" Steel Pipe Transmission Main of College Hill System Phase III, in the amount of $840,425, to the lowest, qualified, responsible and responsive bidder, Azul Works, Inc.
18-0032	2-27-18	WW-659	Approve the plans and specifications, and award **Contract No. WW-659**, Greenhouse Demolition at 1150 Phelps Street, in the amount of $1,638,000, to the lowest, qualified, responsible, and responsive bidder, Azul Works Inc., for the demolition and clearance of the greenhouse structures located at 1150 Phelps Street in San Francisco.
18-0033	2-27-18	WSA for Flower Mart Project	Approve the **Water Supply Assessment** for the proposed Flower Mart Project located in SF's South of Market District.
18-0034	2-27-18	CS-357	Approve Amendment No. 2 to **Agreement No. CS-357**, Digital Art Wall Support and Maintenance, with Obscura Digital, Inc., to procure a system software/ hardware refresh and three additional years of technical support services for the interactive digital wall located at 525 Golden Gate Avenue; and authorize the GM to execute this amendment, increasing the agreement by up to $1,101,612, for a total not-to-exceed amount of $1,494,066, and extending the term by up to three years, for a total duration of seven years.
18-0035	2-27-18	04-SNR-00723 Amendment 3	Approve Amendment No. 3 to Full Load Service **Contract 04-SNR-00723** with the USA, acting through the Department of Energy Western Area Power Administration (WAPA), for WAPA to continue providing portfolio management services and supplemental power purchases for Treasure Island and Yerba Buena Island; and authorize the GM to execute this amendment, extending the term by four years and three months, for a total contract term of 19 years, 11 months, 19 days, and increasing the contract amount by $12,360,000, for a total not-to-exceed amount of $28,370,000.
18-0036	3-13-18	WW-626	Approve an increase to the existing contract duration contingency in the amount of 123

			consecutive calendar days for **Contract No. WW-626**, Southeast Water Pollution Control Plant Primary and Secondary Clarifier Upgrades; and authorize the GM to approve future modifications to the contract, for a total revised contract duration of up to 860 consecutive calendar days, with no change to the contract amount.
18-0037	3-13-18	WW-632	Approve an increase to the construction cost contingency in the amount of $600,000, with no change to the contract duration, for **Contract No. WW-632**, Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvements Project; and authorize the GM to approve future modifications to the contract, for a total revised contract amount of up to $11,089,600.
18-0038	3-13-18	Eight-Year Revocable License to City of South San Francisco	Approve the terms and conditions and authorize the GM to execute an **eight-year revocable license to the City of South San Francisco** to use approximately 3,000 square feet of SFPUC Parcel No. 18 near the intersection of Alta Loma Dr. and Camaritas Ave. in South San Francisco, to remove, replace, operate, and maintain an existing six-inch sanitary sewer pipeline, for no annual use fee.
18-0039	3-13-18	Agreement with Lawrence Berkeley National Laboratory	Authorize the GM to negotiate and execute an **agreement with Lawrence Berkeley National Laboratory** (LBNL) for an amount not-to-exceed $250,000, to be funded by other City departments, with a duration of three years, for LBNL to develop modeling to better understand the potential impact of climate change on future precipitation in San Francisco.
18-0040	3-13-18	Design Agreement with Dept. of the Army/Army Corps of Engineers	Authorize the GM to execute a **Design Agreement with the Department of the Army/Army Corps of Engineers**, for the engineering design of placement of sand dredged from the SF Main Ship Channel and placed against the bluff along a 4,000-foot stretch of Ocean Beach south of Sloat Boulevard, for an amount not-to-exceed $280,000, with a duration of one year.
18-0041	3-13-18	Grant Agreement with SFUSD (Robert Louis Stevenson)	Award a **Grant agreement to the San Francisco Unified School District** to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School, in the amount of $528,000, with a duration of one year.
18-0042	3-13-18	Project CWWSIPDP01	Approve **Project No. CWWSIPDP01**, Biosolids Digester Facilities Project, located at the Southeast Water Pollution Control Plant; adopt the required CEQA including a Statement of Overriding Considerations and the MMRP; and authorize the GM to proceed with construction of the Project, pursuant to Contract No. WW-647R, SEP Biosolids Digester Facilities, subject to Board of Supervisors release of appropriated project funds.
18-0043 18-0044 18-0045 18-0046	3-13-18	Closed Session	David Alfaro, et al. v. City and County of San Francisco.

18-0047	3-27-18	WD-2641R	Accept work performed by Yerba Buena Engineering & Construction, Inc., for **Contract No. WD-2641R**, Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands, for a total contract duration of 1,847 consecutive calendar days; approve Modification No. 12 (Final) decreasing the contract amount by $146,356, for a total contract amount of $7,103,114; and authorize final payment to the contractor.
18-0048	3-27-18	WW-672	Approve the plans and specifications, and award **Contract No. WW-672**, WWE Elevator Maintenance, Repair and Modernization 2018-2021, in the amount of $1,316,300, to the lowest, qualified, responsible and responsive bidder, Kone Inc., to service and maintain all WWE and Southeast Community Center elevators, for a duration of three years.
18-0049	3-27-18	MOU for the Potable Reuse Exploratory Plan	Authorize the GM to negotiate and execute Amendment No. 1 to the **MOU for the Potable Reuse Exploratory Plan** with Silicon Valley Clean Water, the Bay Area Water Supply & Conservation Agency, and the CA Water Service Company to: (1) add Redwood City and the City of San Mateo as parties; (2) expand the scope of the feasibility study to include additional analysis as a second phase of work; (3) extend the term by 28 months, for a total term of 41 months; and (4) increase SFPUC's share of funding by up to $50,000, for a total not-to-exceed amount of $81,000.
18-0050	3-27-18	CS-211A	Approve Amendment No. 1 to **Agreement No. CS-211A**, Specialized and Technical Services with CDM Smith/ATS, a JV; Approve Amendment No. 2 to Water Enterprise-funded **Agreement No. CS-211D**, Specialized and Technical Services with URS Corporation; and authorize the GM to negotiate and execute these amendments, increasing Agreement CS-211A by $1,500,000, for a total not-to-exceed agreement amount of $6,500,000; and increasing Agreement CS-211D by $1,000,000, for a total not-to-exceed agreement amount of $7,490,000, with no change to the contract duration.
18-0051	3-27-18	PRO.0099(G)A-C	Award three Interim Greenhouse Grant Program Grants, **PRO.0099(G)A-C**, to Hunters Point Family (PRO.0099(G).A), Old Skool Café (PRO.0099(G).B), and San Francisco Conservation Corps (PRO.0099(G).C), to help residents from Bayview-Hunters Point develop skills and gain access to living wage jobs in the urban agriculture, horticulture, and food-related green industries; and authorize the GM to execute three grant agreements, each with a duration of two years, for amounts not-to-exceed $350,000 for Hunters Point Family, $175,000 for Old Skool Café, and $175,000 for San Francisco Conservation Corps, with an option to extend the agreements by one year each and by a cumulative amount of not-to-exceed $300,000.
18-0052	4-10-18	March 2018 Proposed Revised	Approve the project-level scope, schedule, and budget of the **March 2018 Proposed Revised Water System Improvement Program** and direct staff to send a **Notice of Change Report** in

		Water System Improvement Program	compliance with CA Assembly Bills 1823 and 2437. Proposed changes to the WSIP include: (1) the extension of the overall program completion date from December 20, 2019 to December 30, 2021; (2) the increase of the forecast cost of regional projects by $42 million from $4,373,800,000 to $4,415,800,000 (1% increase); and (3) a scope change to the Regional Groundwater Storage and Recovery Project, as well as less significant scope refinements for several other regional projects.
18-0053	4-10-18	Four-year schedule of rates for retail water service	Public Hearing: Adopt a **new four-year schedule of rates for retail water service in SF and suburban areas to be effective with meter readings on or after July 1, 2018**.
18-0054	4-10-18	New four-year schedule of rates for wastewater service	Public Hearing: Adopt a **new four-year schedule of rates for wastewater service in San Francisco to take effect on or after July 1, 2018**.
18-0055	4-10-18	Revisions to water and wastewater capacity	Public Hearing: Adopt **revisions to water and wastewater capacity charges for new service, increased service, or a change in service provided by the San Francisco Public Utilities Commission to take effect on or after July 1, 2018**.
18-0056	4-10-18	Approve revised schedule of rates and charges for the SFPUC Commission Power Enterprise CleanPowerSF program	Public Hearing: **Approve revised schedule of rates and charges for the SFPUC Power Enterprise CleanPowerSF program** service in F to take effect July 1, 2018. The proposed rates would: (1) increase Green product rates by 5%, on average, for all classes, while maintaining a 2% discount from PG&E rates after accounting for the Power Charge Indifference Adjustment and Franchise Fee Surcharge; (2) decrease SuperGreen premium rates for specified rate classes; and (3) set residential and commercial customer program termination fees to $0 until the end of Citywide enrollment, December 31, 2019.
18-0057	4-10-18	CS-224.A	**Approve Amendment No. 3 to Agreement No. CS-224.A**, System Integration and Support Services – Related to Project Controls, with MLok Consulting, Inc., to provide the SFPUC with continued specialized system integration and support services to implement and improve the delivery of its CIP and Capital Projects for all SFPUC Enterprises; and authorize the GM to execute this amendment, increasing the agreement by $1,500,000, for a total not-to-exceed amount of $7,600,000, and extending the contract duration by two years, for a total contract duration of eight years.
18-0058	4-10-18	HH-980	Approve the plans and specifications, and award **Contract No. HH-980**, Lower Cherry Aqueduct Rehabilitation, in the amount of $2,946,868, to the lowest, qualified, responsible and responsive bidder, K.W. Emerson, Inc., to perform rehabilitation measures on the Lower Cherry Aqueduct.
18-0059	4-10-18	HH-992	Approve the plans and specifications, and award **Contract No. HH-992**, Modesto Transmission

			Line Clearance Mitigation, in the amount of $1,711,000, to the lowest, qualified, responsible and responsive bidder, Big Valley Electric, to perform modifications to existing transmission towers including portions of Lines 7&8 from Warnerville Switchyard to Standiford Substation, and Lines 3&4 from Standiford Substation to Newark Substation, to provide required conductor clearances.
18-0060	4-10-18	WW-605R	Accept work performed by Anvil Builders, Inc. for **Contract No. WW-605R**, Mission and Valencia Streets Green Gateway; approve Modification No. 8 (Final) decreasing the contract amount by $64,965, and increasing the contract duration by 257 consecutive calendar days, for a total contract amount of $3,496,041, and with a total contract duration of 677 consecutive calendar days; and authorize final payment to the contractor.
18-0061	4-10-18	WW-609R	Accept work performed by M Squared Construction, Inc., for **Contract No. WW-609R**, Holloway Green Street Stormwater Improvements; approve Modification No. 7 (Final), decreasing the contract by $241,059, with a time extension of 86 consecutive calendar days, for a total contract amount of $5,879,607, and a total contract duration of 681 consecutive calendar days; and authorize final payment to the contractor.
18-0062	4-24-18	HH-991	Approve the plans and specifications, and award **Contract No. HH-991**, 2018 Mountain Tunnel Interim Repairs, in the amount of $5,875,386, to the lowest, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., to perform interim tunnel lining repairs and related work, until permanent repairs can be completed.
18-0063	4-24-18	JOC-60	Approve Modification No. 1 to **Job Order Contract, JOC-60**, General Engineering (A-License) for SF, San Mateo, Santa Clara, and Alameda Counties with Cal State Constructors, Inc., to perform general engineering construction tasks for all SFPUC enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract amount of $7,500,000, and increasing the duration by 365 consecutive calendar days, for a total contract duration of 1,825 consecutive calendar days, as allowed for JOCs under the San Francisco Administrative Code.
18-0064	4-24-18	WD-2832	Approve an increase to the existing contract duration contingency in the amount of 272 consecutive calendar days for **Contract No. WD-2832**, Sunol Nursery; and authorize the GM to approve future modifications to the contract duration up to 420 consecutive calendar days, with no change in contract amount.
18-0065	4-24-18	WW-570	Approve an increase to the existing construction contract duration contingency in the amount of 93 consecutive calendar days for **Contract No. WW-570**, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades; and authorize the GM approve future modifications to the contract duration up to 720 consecutive calendar days.

18-0066	4-24-18	WW-613	Approve an increase to the existing construction contract cost contingency in the amount of $1,297,166, and an increase to the existing contract duration contingency in the amount of 104 consecutive calendar days, for **Contract No. WW-613**, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the GM to approve future modifications to the contract amount of up to $29,622,166, and future modifications to the contract duration of up to 1,089 consecutive calendar days.
18-0067	4-24-18	WW-622	Approve an increase to the existing construction contract cost contingency in the amount of $352,032, and an increase in the contract duration contingency in the amount of 125 consecutive calendar days, for **Contract No. WW-622**, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Paving Renovation; and authorize the GM Manager to approve future modifications to the contract amount of up to $5,067,485, and up to 685 consecutive calendar days to the contract duration.
18-0068	4-24-18	WW-631	Approve an increase to the existing construction contract duration contingency in the amount of 147 consecutive calendar days to **Contract No. WW-631**, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement and Pavement Renovation; and authorize the General Manager to approve future modifications to the contract duration up to 702 consecutive calendar days, with no change to contract amount.
18-0069	4-24-18	WSA for Potrero Power Station Project	Confirm and approve the analysis and conclusions set forth in the **Water Supply Assessment** for the proposed Potrero Power Station Project.
18-0070	4-24-18	MOA with US Department of the Interior, Yosemite National Park	Authorize the GM to execute Modification No. 1 to the **Memorandum of Agreement (MOA) with the United States Department of the Interior, National Park Service – Yosemite National Park** (YNP), for Comprehensive Management of Watersheds within YNP supplying the SF Regional Water System, increasing the MOA agreement amount by $14,677,857, for a total Agreement amount not-to-exceed $27,004,364, and extend the duration by two years for a total duration of four years, subject to BOS approval.
18-0071	4-24-18	2018 Revised Baseline Phase 1 SSIP	Approve the **2018 Revised Baseline Scope, Schedule, and Budget for Phase 1 Sewer System Improvement Program Projects**, a subset of projects within the adopted SFPUC Ten-Year Capital Plan for FY 2018-19 through FY 2027-28 for the Wastewater Enterprise.
18-0072 18-0073	4-24-18	Closed Session	Luis Adolfo Marquez vs. City and County of San Francisco Pacific Bell Telephone Company v. City and County of San Francisco
18-0074	5-8-18	Attestation of veracity for CleanPowerSF	Approve execution of an attestation of veracity for SFPUC's CleanPowerSF program 2017 Power Source Disclosure Report (PSD) and submission of that Report to the CA Energy Commission. CleanPowerSF is required by State law to annually disclose the sources of electricity generation

		program 2017 Power Source Disclosure Report	used to serve its end-use electric customers through the preparation of the PSD Report and Power Content Label. During the 2017 calendar year, CleanPowerSF successfully delivered 100% of its electric energy supply from greenhouse gas free sources and a substantial portion from renewable energy sources under California's Renewable Portfolio Standard. For Green customers, the percentage of supply attributable to renewable energy sources was 43%; for SuperGreen customers, renewable energy resources comprised 100% of the supply portfolio.
18-0075	5-8-18	Attestation of veracity for Hetch Hetchy Power's 2017 Power Source Disclosure Report	Approve execution of an attestation of veracity for the SFPUC Hetch Hetchy Power's 2017 Power Source Disclosure Report and submission of that Report to the CA Energy Commission. The SFPUC is required by State law to annually disclose the sources of electricity generation used to serve the SFPUC's end-use electric customers through the preparation of the PSD Report and Power Content Label. The 2017 PSD Report discloses that the electricity sources used to serve Hetch Hetchy Power's end-use electric customers were 100% greenhouse-gas free hydroelectric generation. This PSD report covers the SFPUC's operations as a publicly-owned electric utility, Hetch Hetchy Power.
18-0076	5-8-18	WD-2629	Accept work performed by Steve P. Rados Inc., for **Contract No. WD-2629**, Seismic Upgrade of Bay Division Pipeline 3&4 at the Hayward Fault; approve Modification No. 35 (Final), decreasing the contract by amount by $94,366 for a total contract amount of $37,057,634, and increasing the contract duration by 766 consecutive calendar days, for a total contract duration of 1,698 consecutive calendar days; ratify correction of the initial award duration from 828 consecutive calendar days to 858 consecutive calendar days; and authorize final payment to the contractor.
18-0077	5-8-18	WD-2668	Approve an increase to the existing construction contract cost contingency in the amount of $8,230,477 and an increase to the existing contract duration contingency in the amount of 358 consecutive calendar days, for **Contract No. WD-2668**, Regional Groundwater Storage and Recovery; authorize the GM or his designee to approve future contract modifications for a total revised amount up to $59,578,678, and a total revised contract duration up to 1,545 consecutive calendar days; and ratify correction of the initial award duration from 917 consecutive calendar days to 1,007 consecutive calendar days.
18-0078	5-8-18	PRO.0068	Approve the selection of Arcadis U.S., Inc.; award **Agreement No. PRO.0068**, Biosolids Digester Facilities Construction Management Staff Augmentation Services to provide fully qualified and experienced construction management personnel to assist the SFPUC in managing the construction of the Biosolids Digester Facilities Project; and authorize the GM to negotiate and execute a professional services agreement with Arcadis for an amount not-to-exceed $42,000,000, with a duration of seven years, subject to BOS approval.

18-0079	5-8-18	60-Year Lease with MP Shoreline Assoc., LP, and MP Shorebreeze Assoc., LP	Approve the terms and conditions and authorize the GM to seek approval by the BOS and Mayor to execute a **60-year lease with MP Shoreline Associates Limited Partnership and MP Shorebreeze Associates, L.P**. as co-tenants to use approximately 1.96 acres of SFPUC Parcel No. 201-A in Mountain View, CA for parking, landscaping, and temporary construction staging serving the adjacent affordable housing complex, Shorebreeze Apartments, at an initial annual rent of $100,874, with rent increases every five years.
18-0080	5-8-18	Proposed Wholesale Revenue Requirement and rate schedule for FYE 2019	Public Hearing: Consider and Adopt the proposed **Wholesale Revenue Requirement and rate schedule for FYE 2019**, to be applied to meter readings on or after July 1, 2018. This rate schedule reflects the terms of the 2009 Water Supply Agreement between the City and County of SF and the Wholesale Customers, which was approved on April 28, 2009 by Commission Resolution No. 09-0069.
18-0081	5-8-18	Schedule of rates for HH Power Enterprise electric utility service for General Use rates	Public Hearing: Consider and adopt a new **schedule of rates for Hetch Hetchy Power Enterprise electric utility service** for General Use rates that apply to certain municipal entities supported primarily by the City's General Fund, and certain non-City governmental agencies such as the San Francisco Unified School District, and certain non-profit entities such as the California Academy of Sciences, that are closely related to the City through City governance, financial support, or other legacy relationship for FY 2018-19 and FY 2019-20, to be applied to meter readings on or after July 1, 2018.
18-0082	5-8-18	Revisions to existing fees, elimination of certain fees, and adoption of new fees	Public Hearing: Consider and approve **revisions to existing fees, elimination of certain fees, and adoption of new fees** for: (1) billing and account services; (2) water service connections; (3) land use; (4) regulatory compliance; and (5) laboratory testing related to the SFPUC provision of water and wastewater service. If approved, the proposed fees will become effective July 1, 2018.
18-0083	5-8-18	Reduce and Eliminate Certain Customer Service and Billing Fees	Public Hearing: Proposal to: (1) **reduce the Returned Check and Pending Shutoff Notice Fees; and (2) eliminate the New Account and Service Turn-On Fees** charged for customers of the SFPUC Power Enterprise.
18-0084	5-8-18	Closed Session	Charleen Maghzi v. City and County of San Francisco
18-0085	5-22-18	Five-Year Revocable License to Pangea Environmental	Approve the terms and conditions and authorize the GM to execute a no-fee **five-year revocable license** to Pangea Environmental Services, Inc., to use approximately 2,000 square feet of SFPUC Parcel No. 29 at 1000 El Camino Real in Millbrae, CA to: (a) install four groundwater monitoring wells; (b) drill eight geotechnical borings for soil sample collection; and (c) operate and maintain five existing groundwater monitoring wells to assess potential residual

			contamination from a former leaking underground storage tank located at a gas station at 1009 El Camino Real, Millbrae.
18-0086	5-22-18	WD-2692	Approve the plans and specifications, and award **Contract No. WD-2692**, 16" and 8" DIM Installation, Sewer Replacement on Geary Blvd. from 32nd to 48th Aves., in the amount of $9,245,821, to the lowest, qualified, responsible and responsive bidder, M Squared Construction.
18-0087	5-22-18	WD-2747	Accept work performed by Azul Works, Inc., for **Contract No. WD-2747**, AWSS - New Cisterns F; and approve Modification No. 4 (Final), decreasing the contract amount by $215,323 and increasing the contract duration by 180 consecutive calendar days, to reconcile final payment items to reflect actual quantities used under unit price and allowance bid items and to reflect actual contract time, for a total contract amount of $3,487,382, and a total contract duration of 610 consecutive calendar days; and authorize final payment to the contractor.
18-0088	5-22-18	WW-622	Approve an increase to the existing construction contract duration contingency in the amount of 60 consecutive calendar days for **Contract No. WW-622**, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Pavement Renovation; and authorize the GM to approve future modifications to the contract duration of up to a total of 745 consecutive calendar days, with no change to contract amount.
18-0089	5-22-18	WW-653	Approve an increase to the construction contract duration contingency of 150 consecutive calendar days to **Contract No. WW-653**, Marin Street Sewer Replacement; and authorize the GM to approve future modifications to the contract, for a total revised contract duration up to 491 consecutive calendar days, with no change to the contract amount.
18-0090	5-22-18	CS-247[R]	Approve Amendment No. 1 to **Agreement No. CS-247[R]**, Customer and Administrative Services for CCA Program with Calpine Energy Solutions LLC, for continued support of the CleanPowerSF program; and authorize the GM to execute this amendment, increasing the agreement amount by $14,030,000, for a total not-to-exceed agreement amount of $19,630,000, and extending the term of the agreement by three years, for a total agreement duration of six years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118.
18-0091	5-22-18	Correction of Error in Schedule B of Wastewater Service Rates for FYE 19-22	**Approve correction of an error in Schedule B of Wastewater Service Rates for FYE 2019 through FYE 2022**, adopted by the Commission on April 10, 2018 by Resolution No. 18-0054, to include a monthly service charge for nonresidential customers of the Wastewater Enterprise. The Approval Action of Wastewater Service Rates for FYE 2019 through FYE 2022 for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code, occurred on April 10, 2018.

18-0092 **18-0093**	5-22-18	Closed Session	David Alfaro, et al v. City and County of San Francisco John H. Aspelin, et al v. City and County of San Francisco
18-0094	6-12-18	JOC-51 Modification 1	Approve Modification No. 1 to **Job Order Contract (JOC), JOC- 51**, Heating Ventilation Air Conditioning (HVAC) Energy Efficiency (C-20 License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with EMCOR/Mesa Energy Systems, Inc., to perform HVAC and energy efficiency mechanical upgrades in City-owned municipal facilities, increasing the contract by $2,500,000 for a total contract amount of $7,500,000, and increasing the duration by one year for a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Ch. 6.62. Job Order Contracts (f) and (g).
18-0095	6-12-18	WW-603	Accept work performed by D'Arcy & Harty Construction for **Contract No. WW-603**, As-Needed Main Sewer Replacement, for a total contract amount of $3,843,339 and a total duration of 760 consecutive calendar days, and authorize final payment to the contractor.
18-0096	6-12-18	WW-625	Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days to **Contract No. WW-625**, Oceanside Water Pollution Control Plant Flare Control and Stack Upgrade; and authorize the GM to approve future modifications to the contract duration up to a total of 750 consecutive calendar days with no change to the contract amount.
18-0097	6-12-18	WW-633	Approve an increase to the existing construction contract duration contingency of 134 consecutive calendar days to **Contract No. WW-633**, Various Locations Sewer Replacement No. 2; and authorize the GM to approve future modifications to the contract duration for a total revised contract duration up to 640 consecutive calendar days, with no change to contract amount.
18-0098	6-12-18	CS-1048(G) Amendment 1	Approve **Amendment No. 1 to CS-1048(G)**, Grant Agreement with the SFUSD to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School; and authorize the GM to execute this amendment, increasing the grant amount by $180,000 for a total amount of $708,000, with no change in the agreement duration.
18-0099	6-12-18	PRO-0075	Approve the selection of and award **Grant Agreement No. PRO.0075** to Chinatown Community Development Center (CCDC) to implement the Sustainable Chinatown Initiative Pilot Project to coordinate outreach with City agencies and community stakeholders on development and implementation of green infrastructure, non-potable reuse, and energy efficiency projects in Chinatown; and authorize the GM to negotiate and execute a grant agreement with CCDC for an amount not-to-exceed $180,000, and with a total duration of two years.
18-0100	6-12-18	WW-656	Approve the plans and specifications, and award **Contract No. WW-656**, As-Needed Spot Sewer

			Replacement No. 37, for a total contract amount not-to-exceed $8,198,256, and with a duration of 400 consecutive calendar days, to J. Flores Construction Company, Inc., to replace sections of existing sewer piping, on an as-needed basis, at locations to be determined throughout the City of San Francisco; and authorize the GM Manager to negotiate and execute a contract for an amount not-to-exceed $8,198,256 with the sole qualified, responsible and responsive bidder, J. Flores Construction Company, Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2).
18-0101	6-12-18	Agreement No. 1000000172 Amendment 1	Approve **Amendment No. 1 to Agreement No. 1000000172**, As-Needed Technical Services Agreement with Aclara Technologies LLC, to procure proprietary hardware consisting of Meter Transmission and Data Collector Units; and authorize the GM to execute this amendment, increasing the agreement by $2,349,857 for a total contract not-to-exceed amount of $2,915,857, and with a time extension of three additional years, through December 31, 2023, for a total contract duration of eight years.
18-0102	6-12-18	Resource Adequacy Contracts for CPSF	Approve three **Resource Adequacy (RA) contracts** for CleanPowerSF executed by the GM between the SFPUC and Pacific Gas & Electric Company, with a combined term of two years and five months, and total costs of $13.7 million; and authorize the General Manager to seek retroactive approval from the Board of Supervisors for the three RA contracts.
18-0103 **18-0104** **18-0105**	6-12-18	Closed Session	Pacific Bell Tel. Col, et al v. the CCSF Charleen Maghzi, individually and as trustee of the Maghzi Family Marital Trust v. the CCSF Isabel Rodriguez-Alba v. the CCSF
18-0106	6-26-18	CS-342.A	Approve Amendment No. 2 to **Agreement No. CS-324.A**, Security Consulting and Design Services, with CH2M Hill Engineers, Inc.; and authorize the GM to execute this amendment, extending the term by six months for a total agreement duration of four years and six months, with no change to the agreement amount.
18-0107	6-26-18	Revised WSA for the Proposed India Basin Project	Confirm and approve the analysis and conclusions set forth in the **Revised Water Supply Assessment for the proposed India Basin Project**, pursuant to the State of California Water Code Section 10910 *et seq.,* California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155.
18-0108	6-26-18	Grant Agreement with SFUSD (Big Ideas STEM)	Authorize the GM to negotiate and execute a **grant agreement with the San Francisco Unified School District** (SFUSD) for an amount not-to-exceed $370,000, and with a duration of four years, to integrate the SFPUC's *Big Ideas* Science, Technology, Engineering and Math Education Framework into SFUSD science curriculum for all students K-12.
18-0109	6-26-18	CS-242A-C	Approve Amendment No. 3 to Agreement No. CS-242A with Baseline Environmental Consulting,

			Agreement No. CS-242B with ESA+Orion Joint Venture, and Agreement No. CS-242C with URS Corporation Americas to continue to provide environmental analyses, surveys, and reports, and prepare resource agency permit applications; and authorize the GM to negotiate and execute amendments to **Agreements Nos. CS-242A–C**, increasing each of the three agreements by $4,000,000, for a total not-to-exceed amount of $9,600,000 per agreement, with no change to the contract duration, and for CS-242C only, to execute a name change from URS Corporation Americas to URS Corporation.
18-0110	6-26-18	CS-242D	Approve and authorize the GM to execute an Assignment and Assumption Agreement for **Agreement No. CS-242D**, As-Needed Environmental Support, from RMC Water and Environment to Woodard & Curran, Inc.; approve Amendment No. 3 to Agreement No. CS-242D; and authorize the GM to negotiate and execute Amendment No. 3 to CS-242D in an amount of $4,000,000, for a total not-to-exceed agreement amount of $9,600,000, with no change to the agreement duration.
18-0111	6-26-18	CS-716	Approve Amendment No. 5 to **Agreement No. CS-716**, Calaveras Dam Replacement, with URS Corporation to provide ongoing engineering support during construction, start-up, and commissioning of the project; and authorize the GM to negotiate and -+execute Amendment No. 5 increasing the agreement by $2,415,000, for a total agreement amount of $30,915,000, and extending the term by 13 months, for a total agreement duration of 16 years, 10 months.
18-0112	7-10-18	Revolving Credit & Term Loan Agreement with Bank of Tokyo-Mitsubishi Second Amendment	Approve the **Second Amendment to the Revolving Credit and Term Loan Agreement with The Bank of Tokyo-Mitsubishi UFJ, Ltd**., in support of the Proposition E Wastewater Enterprise Interim Funding Program extending the Agreement by one year, for a total duration of seven years; authorize the GM to execute and deliver the Second Amendment and the Second Amended and Restated Fee Letter associated with this transaction and to execute a name change from The Bank of Tokyo-Mitsubishi UFJ, Ltd., to MUFG Bank, Ltd.; and authorize the General Manager to execute future amendments extending the term of the Agreement by up to two additional years.
18-0113	7-10-18	WD-2818	Approve an increase to the existing construction contract duration contingency of 79 consecutive calendar days to **Contract No. WD-2818**, Sunol Valley Water Treatment Plant SCADA Server Room; and authorize the GM to approve future modifications to the contract for a total revised contract duration of up to 346 consecutive calendar days, with no change to the contract amount.
18-0114	7-10-18	WW-610R	Approve an increase of 60 consecutive calendar days to the existing construction contract duration contingency for **Contract No. WW-610R**, Visitacion Valley Green Nodes, Rutland Street

			Sewer, and Sunnyvale Pavement Improvements with Minerva Construction Inc.; and authorize the GM to approve future modifications to the contract up to a total contract duration of 465 consecutive calendar days, with no change to the contract amount.
18-0115	7-10-18	WW-611	Approve the plans and specifications, and award **Contract No. WW-611**, Cutler Avenue, Lower Great Highway, Sloat Boulevard, and Wawona Street Sewer Replacement, in the amount of $2,148,790, with a duration of 315 consecutive calendar days, to the lowest, qualified, responsible, and responsive bidder, JDB & Sons Construction Inc., to replace the existing sewers on specified streets in the Outer Sunset neighborhood of San Francisco.
18-0116	7-10-18	WW-640	Approve an increase to the existing construction cost contingency in the amount of $63,022 for **Contract No. WW-640**, As-Needed Sewer Cleaning and Inspection (FY-17), with Pipe and Plant Solutions, Inc.; and authorize the GM to approve future modifications to the contract for a total contract amount of up to $1,809,492, with no change to the contract duration.
18-0117	7-10-18	2018 Series ABC Wastewater Revenue Bond and 2018 Series C Wastewater Revenue Bonds	Authorize the Issuance of up to $675 million of the **2018 Series ABC Wastewater (WW) Revenue Bonds** through two separate bond sales as follows: (1) the 2018 Series AB WW Revenue Bonds, consisting of two sub-series of bonds (Sub-Series A (Sewer System Improvement Program (SSIP) – Green Bonds) and Sub-Series B (Non-SSIP)); and (2) the **2018 Series C WW Revenue Bonds**, consisting of one sub-series of bonds (Sub-Series C (SSIP – Green Bonds)), and approve the form of, and authorize the execution and delivery of, related documents; authorize the GM to sell the 2018 WW Bonds in one or more series of bonds on either a competitive or negotiated basis as the GM determines is in the best financial interest of the SFPUC; delegate to the GM authorization to award each series of bonds to the highest bidder (lowest cost) in the case of a competitive sale; and delegate to the GM authorization to enter into one or more bond purchase contracts in the case of a negotiated sale.
18-0118	7-10-18	Non-Potable Grant Program Modification	Approve modification of the SFPUC **Non-potable Grant Program** to: (1) allow non-potable water projects to qualify for up to $100,000 in grant assistance if the projects replace at least 450,000 gallons of potable water per year; and (2) add grant requirements for brewery process water treatment systems seeking grant assistance.
18-0119	7-10-18	HH-990R	Approve the GM's Determination that it is in the City's best interest to terminate the performance of work under **Contract No. HH-990R**, Moccasin Penstock Rehabilitation with Anvil Builders, pursuant to San Francisco Administration Code, Section 6.22(l).
18-0120	7-10-18	WW-676	Approve the plans and specifications, and award **Contract No. WW-676**, As-Needed Sewer Cleaning and Inspection (FY-19), for a total contract amount not-to-exceed $1,974,980, which does not exceed the engineer's estimate of $2,104,000, to the sole, qualified, responsible and

			responsive bidder, Pipe and Plant Solutions, Inc., as permitted under SF Administrative Code Section 6.23(c)(2), to clean and inspect existing sewers on an as-needed basis at locations to be determined throughout San Francisco.
18-0121	7-10-18	Conditional Land Disposition and Acquisition Agreement (2000 Marin)	Authorize the GM to negotiate and execute a **Conditional Land Disposition and Acquisition Agreement** by and between the CCSF and 2000 Marin Property, L.P. (Developer), providing for the City's future transfer of real property at 639 Bryant Street (Block 3777, Lot 052) in exchange for acquiring 2000 Marin Street (Block 4346, Lot 002), and including the Developer reimbursing the SFPUC for certain costs, with closing conditioned on several factors, including the SFPUC Commission's discretionary approval of the environmental condition of the 2000 Marin Street property after completion of all necessary environmental review, including a Phase 2 environmental analysis, subject to approval by the Board of Supervisors; and adopt a finding declaring that 639 Bryant Street will be surplus to SFPUC's utility needs upon and effective upon the date of close of escrow on the proposed land exchange transaction.
18-0122	7-24-18	CS-366 Amendment 1	Approve Amendment No. 1 to **Agreement No. CS-366**, Emergency Planning, Technical Assistance and Training Support with AECOM Technical Services, Inc., to provide continuing emergency operations planning, training, and exercises; and authorize the GM to execute this amendment, extending the agreement duration by two years, for a total agreement duration of six years, with no change to the agreement amount.
18-0123	7-24-18	JOC-53R3	Award **Job Order Contract No. JOC-53R3**, Electrical (C-10 License) San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years, to the lowest, qualified, responsible and responsive bidder, US Electric Technologies Inc., to perform electrical contracting tasks for all SFPUC Enterprise Operations and Bureaus.
18-0124	7-24-18	JOC-70	Award **Job Order Contract No. JOC-70**, General Engineering (A-License), San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years to the lowest, qualified, responsible, and responsive bidder, M Hernandez Construction, Inc., dba Hernandez Engineering, to perform general engineering construction tasks for all SFPUC Enterprise Operations and Bureaus.
18-0125	7-24-18	Rules for Billing Owners in SF without water or wastewater service accounts	**Adopt rules for billing property owners in San Francisco without water or wastewater service accounts** (*i.e.*, unmetered properties) the portion of the San Francisco Public Utilities Commission's existing monthly sewer service charges attributable to stormwater runoff from their properties.
18-0126	7-24-18	Water Infrastructure and Innovation Act	Approve the **Water Infrastructure Finance and Innovation Act** (WIFIA) Loan Agreement with the US EPA, in an amount up to $699,242,023, to provide partial funding for the Wastewater

		Loan (WIFIA)	Enterprise's Biosolids Digester Facilities Project, with a 35-year repayment period starting at completion of the Project; and authorize the GM to execute and deliver the WIFIA Loan Agreement and related documents to the transaction.
18-0127	7-24-18	MOU with Daly City (Regional Groundwater & Storage Recovery)	Authorize the GM to execute a second **Memorandum of Understanding with the City of Daly City** for the Regional Groundwater Storage and Recovery Project, to reimburse Daly City for Westlake Pump Station Design Consulting Services and groundwater modeling services, for an amount not to exceed $435,050 and with a duration not to exceed two years.
18-0128	7-24-18	PRO-0092	Approve the selection of Moffatt and Nichol-AGS Joint Venture (JV); award **Agreement No. PRO.0092**, Engineering Services for South Ocean Beach Coastal Erosion and Wastewater Protection, to provide engineering design services to assist in developing projects to address climate induced chronic erosion at the south end of Ocean Beach; and authorize the GM to negotiate and execute a professional services agreement with Moffatt and Nichol-AGS JV for an amount not-to-exceed $3,750,000 and with a duration of five years.
18-0129	7-24-18	Purchase & Sales Agreement with Alameda County (Calaveras Road)	Authorize the GM to negotiate and execute a **Purchase and Sale Agreement with Alameda County** to sell an approximately 5,484-square-foot road easement and an approximately 22,548-square-foot slope easement, to be designated as a portion of Calaveras Road on SFPUC Parcel No. 75 in Alameda County, for fair market value, subject to BOS approval.
18-0130	7-24-18	CPSF Integrated Resource Plan	Approve **CleanPowerSF's Integrated Resource Plan** (IRP) Compliance Filing; and authorize the GM to submit the IRP Compliance Filing to the California PUC.
18-0131	8-28-18	CS-372.B Amendment 1	Approve Amendment No. 1 to **Agreement No. CS-372.B**, Structural Engineering Services with SOHA/Bittleston JV, for the Seismic Upgrade of Facilities in the SSIP; and authorize the GM to execute this amendment increasing the agreement by $1,000,000, for a total not-to-exceed amount of $3,500,000, with no change in contract duration.
18-0132	8-28-18	JOC-59 Modification 1	Approve Modification No. 1 to **Job Order Contract JOC-59**, General Engineering (A-License) for SF, San Mateo, and Alameda Counties with Power Engineering Construction Company, to perform general engineering construction tasks with an emphasis on marine-related projects, for all SFPUC enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract value of $7,500,000, and increasing the contract duration by one year, for a total contract duration of five years.
18-0133	8-28-18	JOC-61 Modification 1	Approve Modification No. 1 to **Job Order Contract JOC-61**, Micro-LBE, General Engineering (A-License), for SF, San Mateo, and Alameda Counties with GECMS, Inc., dba Giron Construction, to perform general building and construction tasks for all SFPUC Enterprise Operations and Bureaus, increasing the contract by $1,000,000 for a total contract amount of $3,000,000, and

			increasing the contract duration by three years, for a total contract duration of five years.
18-0134	8-28-18	PRO-0046A-C	Award Comprehensive Technical Services for Renewable & Advanced Energy Generation Services **Agreements Nos. PRO.0046.A-C**, to AEPC Group, LLC (**PRO.0046.A**), Stantec Consulting Services, Inc. (**PRO.0046.B**), and Sage Renewable Energy Consulting, Inc. (**PRO.0046.C**), to assist the Power Enterprise in evaluation, project development, permitting, project implementation, and design support during construction of renewable and advanced energy technologies; and authorize the GM to negotiate and execute three professional services agreements, each for an amount not to exceed $2,650,000 and each with a duration of five years.
18-0135	8-28-18	WD-2666	Accept work performed by Shimmick Construction Company, Inc. for **Contract No. WD-2666**, Bioregional Habitat Restoration, Sheep Camp Creek, for a total contract amount of $4,343,903, and with a total contract duration of 1,095 consecutive calendar days; and authorize final payment to the contractor.
18-0136	8-28-18	WW-570	Approve an increase of 90 consecutive calendar days to the existing construction contract duration contingency for **Contract No. WW-570**, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, with Blocka Construction, Inc.; and authorize the GM to approve future modifications to the contract up to a total contract duration of 810 consecutive calendar days, with no change to the contract amount.
18-0137	8-28-18	WW-614R	Accept work performed by The Dutra Group for **Contract No. WW-614R**, North Point Outfall Rehabilitation, for a total contract amount of $12,904,525, and with a total contract duration of 360 consecutive calendar days; and authorize final payment to the contractor.
18-0138	8-28-18	WW-646	Approve an increase in the existing contract cost contingency in the amount of $779,000 for **Contract No. WW-646**, As-Needed Spot Sewer Replacement No. 36, with J. Flores Construction, Inc.; and authorize the GM to approve future modifications to the contract for a total revised contract amount of up to $9,354,642, with no change to the contract duration.
18-0139	8-28-18	WW-673	Approve the plans and specifications, and award **Contract No. WW-673**, Oceanside Water Pollution Control Plant Door Assembly Upgrade, in the amount of $1,981,334, to the lowest, qualified, responsible and responsive bidder, Rubecon Builders, to remove, replace and upgrade existing facility doors and frames.
18-0140	8-28-18	CS-225R Amendment 5	Approve Amendment No. 5 to **Agreement No. CS-225R**, Seismic Upgrade of BDPL Nos. 3&4 at Hayward Fault, Construction Management Services, with EPC Consultants, Inc., to provide construction management services on Job Order Contracts work; and authorize the GM to execute this amendment to extend the agreement duration by eight months, for a total duration of seven years, with no change to the agreement amount.

18-0141	8-28-18	PRO.0066A-C	Approve the selection of AECOM Technical Services, Inc. (AECOM), Applied Technology & Science (A-T-S), and Avila and Associates Consulting Engineers, Inc. (Avila); award **Agreement Nos. PRO.0066.A-C**, Natural Resources Specialized and Technical Services, to provide habitat monitoring and watershed management technical services; and authorize the GM to negotiate and execute three professional services agreements with AECOM (**PRO.0066.A**), A-T-S (**PRO.0066.B**), and Avila (**PRO.0066.C**), each for an amount not-to-exceed $14,000,000, and each with a duration of 10 years, subject to the Board of Supervisors approval.
18-0142	8-28-18	Agreement No. 1000009233 Amendment 1	Approve Amendment No. 1 to **Agreement No. 1000009233**, Software Services Agreement with KISTERS North America Inc., to procure additional software maintenance and enhancements to the Kisters Data Acquisition Tool and Water Information Systems software for the Water Enterprise, and authorize the GM to execute Amendment No. 1 increasing the agreement by $168,532, for a total contract not-to-exceed amount of $268,032, and extending the term by three years for a total contract duration of six years.
18-0143	8-28-18	WW-639	Approve the plans and specifications, and award **Contract No. WW-639**, Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades, in the amount of $38,449,000, to the lowest, qualified, responsible, and responsive bidder, Monterey Mechanical Co., to upgrade the existing digester gas systems at the Oceanside Water Pollution Control Plant.
18-0144	8-28-18	WW-674R	Approve the plans and specifications, and award **Contract No. WW-674R**, Geary Boulevard Sewer and Water Improvements, in the amount of $16,246,547, to the lowest, qualified, responsible, and responsive bidder, JMB Construction, Inc., to replace existing sewers and water mains under Geary Boulevard and to install fiber optic conduits and perform street paving.
18-0145	9-11-18	WD-2710 Modification 4	Accept work performed by A. Ruiz Construction Co. & Assoc. Inc. for **Contract No. WD-2710**, SF Local Water As-Needed Paving 3-Year Contract; approve Contract Modification No. 4 (Final), decreasing the contract amount by $4,107, for a total contract amount of $14,916,761; and authorize final payment to the contractor.
18-0146	9-11-18	WD-2737 Modification 2	Accept work performed by M Squared Construction, Inc., for **Contract No. WD-2737**, 12" DIM Water Main Replacement on 6th St. from Market to Howard Sts, and on Taylor St from Market to Pine Sts; ratify correction of the total contract duration to reflect time extension approved in Modification No. 1; approve Modification No. 2 (Final), decreasing the contract amount by $2,813, for a total contract amount of $4,354,166, with a non-compensable time extension of 43 consecutive calendar days, for a total contract duration of 682 consecutive calendar days; and authorize final payment to the contractor.
18-0147	9-11-18	WW-636	Approve an increase of 19 consecutive calendar days to the existing 41-day construction

			contract duration contingency for **Contract No. WW-636**, Various Locations Sewer Replacement and Pavement Renovation No. 4; and authorize the GM to approve future modifications to the contract duration for a total revised contract duration of up to 474 consecutive calendar days, with no change to contract amount.
18-0148	9-11-18	WW-659	Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days for **Contract No. WW-659**, Greenhouse Demolition at 1150 Phelps St; and authorize the GM to approve future modifications to the contract, for a total revised contract duration of up to 239 calendar days, with no change to the contract amount.
18-0149	9-11-18	Five Year Lease 50 Quint Street	Approve the terms and conditions and authorize the GM to execute a **five-year lease**, with a three-year option to extend the term, with Sea Cliff Fund, LLC, Del Mar SF, LLC, TIC Investments, LLC, and 50 Quint, LLC, together as landlord, for the Wastewater Enterprise to use warehouse space and two adjoining paved areas located at 50 Quint Street in San Francisco, for various SSIP purposes, for an annual rent of $1.2 million, with annual rent increases based on the CPI.
18-0150	9-11-18	WW-667	Approve the plans and specifications, and award **Contract No. WW-667**, Mariposa Dry Weather Pump Station Improvements, in the amount of $17,031,000, to the lowest, qualified, responsible and responsive bidder, Western Water Constructors, Inc., to demolish the existing pump station and reconstruct a new Mariposa Pump Station.
18-0151 **18-0152**	9-11-18	Closed Session	David Alfaro, et al (Lionel Tan and Dr. Ho Tan) David Alfaro, et al (Kwok Shing Hong)
18-0153	9-25-18		Approve Modification No. 1 to **Job Order Contract (JOC), JOC-64**, General Building (B-License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with Rubecon Builders, Inc., to perform general building construction tasks for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract amount by $2,500,000, and increasing the contract duration by one year, for a total contract amount of $7,500,000 and a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g).
18-0154	9-25-18	PRO.0101	Award **Agreement No. PRO.0101**, Tunnel Engineering Services for the proposed Folsom Area Stormwater Improvement Project; approve the selection of McMillen Jacobs Associates/Stantec JV to provide design services for the proposed tunnel; and authorize the GM to negotiate and execute a professional services agreement for a total amount not-to-exceed $5,700,000, with a duration of 18 months.
18-0155	9-25-18	WD-2654R	Accept work performed by NTK Construction, Inc. for **Contract No. WD-2654R**, Peninsula Vegetation Removal; approve Modification No.8 (Final), decreasing the contract amount by

			$261,774, for a total contract amount of $11,807,189, and increasing the contract duration by 65 consecutive calendar days, for a total contract duration of 815 consecutive calendar days; and authorize final payment to the contractor.
18-0156	9-25-18	WD-2686	Approve an increase to the existing contract duration contingency of an additional 215 consecutive calendar days for **Contract No. WD-2686**, AWSS Pumping Station No. 1 Improvements (2014); and authorize the GM to approve future modifications to the contract for a total contract duration of up to 1,653 consecutive calendar days, with no change to contract amount.
18-0157	9-25-18	WW-627R	Approve the plans and specifications, and award **Contract No. WW-627R**, Baker Beach Green Streets, in the amount of $7,122,000, with a duration of 530 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Minerva Construction Inc., to construct green infrastructure, replace water and sewer lines, and repave portions of El Camino del Mar, Seacliff Avenue, and 25th Avenue.
18-0158	9-25-18	WW-657R	Approve an increase to the construction contract duration contingency of 90 consecutive calendar days to **Contract No. WW-657R**, Drumm and Jackson Streets Sewer Improvements with Anvil Builders, Inc; and authorize the GM to approve future modifications to the contract for a total revised contract duration up to 310 consecutive calendar days, with no change to the contract amount.
18-0159	9-25-18	100-Year Storm Flood Risk Map and Rules and Criteria Map Parcel Review Process	Adopt a **100-Year Storm Flood Risk Map** depicting the zones within the City and County of SF that are potentially subject to flooding that is at least six inches deep spanning an area at least the size of half an average City block during a 100-Year Storm; adopt the **Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process** to allow property owners to request review of the inclusion of their specific parcel(s) in the Map's flood risk zone; and delegate authority to the GM to make future updates to the Map for certain specified purposes.
18-0160	9-25-18	Wildfire Mitigation Plan	Adopt a resolution to comply with PUC Code Section 8387 determining that the SFPUC owns and operates overhead electrical lines and equipment that present a significant risk of wildfire because they are located in areas the CPUC and United States Forest Service have designated as high fire danger zones; and authorize the development of a **Wildfire Mitigation Plan**.
18-0161	9-25-18	CS-1100	Approve **Agreement No. CS-1100**, Electric Automated Metering Infrastructure (AMI) System, with Aclara Technologies LLC for the procurement and installation of the AclaraONE AMI for the SFPUC Power Enterprise; authorize the GM to execute this Agreement for a total not-to-exceed amount of $9,993,604, and a contract duration of 10 years.

18-0162	10-9-18	WD-2661	Accept work performed by Netronix Integration, Inc., for **Contract No. WD-2661**, As-Needed Integration Services; approve Modification No. 5 (Final), decreasing the contract amount by $341,403 for a total contract amount of $1,560,792, and extending the contract duration by 41 consecutive calendar days, for a total contract duration of 1,681 consecutive calendar days; and authorize final payment to the contractor.
18-0163	10-9-18	WD-2817	Accept work performed by Mitchell Engineering, Inc., for **Contract No. WD-2817**, Peninsula Pipeline Seismic Upgrade – Phase III for a total contract amount of $7,378,428, and with a total contract duration of 488 consecutive calendar days; and authorize final payment to the contractor.
18-0164	10-9-18	WW-651	Approve an increase of 215 consecutive calendar days to the existing 60-day construction contract duration contingency for **Contract No. WW-651**, Griffith Pump Station Improvements; and authorize the GM to approve future modifications to the contract, for a total revised contract duration of up to 875 consecutive calendar days, with no change to the contract cost contingency.
18-0165	10-9-18	CS-879.C Amendment 5	Approve Amendment No. 5 to **Agreement No. CS-879.C**, Engineering Project Design Services, with Kennedy/Jenks Consultants, for continued engineering design and engineering services during construction for the Regional Groundwater Storage and Recovery Project and the SF Groundwater Supply Project; and authorize the GM to execute this amendment, increasing the agreement by $3,500,000, for a total not-to-exceed agreement amount of $22,000,000, and extending the contract duration by three years, for a total agreement duration of 15 years, subject to BOS approval pursuant to Charter Section 9.118.
18-0166	10-9-18	JOC-76R	Award **Job Order Contract No. JOC-76R**, General Engineering (A- License) for SF, San Mateo, Santa Clara, and Alameda Counties, for a not-to-exceed amount of $5,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, Anvil Builders, Inc., to perform general engineering construction tasks for all SFPUC Enterprise Operations and Bureaus.
18-0167	10-9-18	JOC-77	Award **Job Order Contract No. JOC-77**, General Engineering (A- License) for SF, San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $2,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, R&S Construction Management, Inc., to perform general engineering construction tasks for all SFPUC Enterprise Operations and Bureaus.

18-0168	10-9-18	Five Year Lease 1876 Oakdale Avenue	Approve the terms and conditions of, and authorize the GM to execute a **five-year lease**, with a three-year option to extend the term, with 1800 Jerrold Ave LLC, as landlord, providing for the SFPUC Water Enterprise CDD's use of vacant land at 1876 Oakdale Ave. in SF for storage of soil, material, and related uses, at an initial monthly rent of $15,800, with annual rent increases based on the CPI.
18-0169	10-23-18	WW-649	Accept work performed by Shaw Pipeline, Inc., for **Contract No. WW-649**, Paul Avenue Sewer Replacement, for a total contract amount of $740,907, and a total contract duration of 181 consecutive calendar days; and authorize final payment to the contractor.
18-0170	10-23-18	WW-664	Approve the plans and specifications, and award **Contract No. WW-664**, North Point Wet Weather Facility Sedimentation Tank Influent Gate Upgrades, in the amount of $2,741,000, with a duration of 540 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Cal State Constructors, Inc., to upgrade existing influent gates and related accessories at the North Point Facility.
18-0171	10-23-18	CS-204 Amendment 2	Approve Amendment No. 2 to **Agreement No. CS-204**, Fish Passage Facilities within the Alameda Creek Watershed, as a sub-project of the Calaveras Dam Replacement Project, with URS Corporation; and authorize the GM to negotiate and execute Amendment No. 2, increasing the agreement by $500,000, for a total not-to-exceed agreement amount of $4,764,580, and extending the term by one year and five months, for a total agreement duration of eight years and seven months.
18-0172	10-23-18	CS-258A-C Amendment 1	Approve Amendment No. 1 to Agreement No. CS-258A with Environmental Science Associates/Orion Environmental Joint Venture (JV), Agreement No. CS-258B with ICF Jones & Stokes, Inc./Panorama Environmental, Inc., JV, and Agreement No. CS-258C with URS Corporation, to perform environmental support services; and authorize the GM to negotiate and execute amendments to **Agreement Nos. CS-258A-C**, increasing each agreement by $2,450,000, for a total not-to-exceed amount of $7,300,000 per agreement, and increasing the duration of each contract by four years, for a total contract duration of nine years.
18-0173	10-23-18	WSA 598 Brannan Street Project	Approve the **Water Supply Assessment** for the proposed 598 Brannan Street Project.
18-0174	10-23-18	WSA 542-550 Howard Street Project	Approve the **Water Supply Assessment** for the proposed 542-550 Howard Street Project.

18-0175	10-23-18	Lease with 544 Golden Gate Associates Second Amendment	Approve the terms and conditions of, and authorize the GM to, execute the **Second Amendment to the Office Lease** dated November 18, 2013, between 544 Golden Gate Associates LLC, and the CCSF, extending the term by four years for a total duration of nine years, and increasing the rent to $350,083 per year, with 4% annual increases thereafter.
18-0176	10-23-18	Inter-jurisdictional Personnel Exchange Agreement (Wade)	Authorize the GM to execute an **Inter-jurisdictional Personnel Exchange Agreement** with the CA Department of Water Resources (DWR), for the temporary loan of SFPUC employee Daniel L. Wade to spend up to 20% of his time to serve on a DWR Independent Review Board for a Comprehensive Needs Assessment for the Oroville Dam Complex, providing for DWR to reimburse SFPUC for Mr. Wade's time and expenses for an amount not to exceed $375,000, and with a term of approximately 21 months, from September 24, 2018 to June 30, 2020.
18-0177	10-23-18	Revocable License with Gerald F. Sullivan	Approve the terms and conditions of a **revocable license** between the SFPUC Commission and Gerald F. Sullivan allowing the Power Enterprise to use Mr. Sullivan's real property and rock columns located at 10 Rockaway Avenue in San Francisco (Assessor's Block 2916, Lot 15), for the installation, operation, and maintenance of the Rockaway Avenue Streetlight Project, with no license fee, subject to Board of Supervisors' and Mayor's approval.
18-0178	10-23-18	Development Agreement with India Basin Investment	Discussion and possible action to consent to the **Development Agreement** between the City and India Basin Investment LLC, substantially in the form and on the terms as outlined in the Development Agreement with respect to the items under the SFPUC's jurisdiction, and to authorize the GM to execute the SFPUC Consent; and adopt findings, pursuant to the CEQA and MMRP.
18-0179 **18-0180** **18-0181**	10-23-18	Closed Session	Sherry Jackson v. City and County of San Francisco Sentinel Insurance Company, LTD v. City and County of San Francisco Jeffrey Schalk v. City and County of San Francisco
18-0182	11-13-18	JOC-72	Award **Job Order Contract No. JOC-72**, Electrical (C-10 License) for SF San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $1,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole qualified, responsible, and responsive bidder, Albert Electric, LLC, to perform electrical contracting tasks for all SFPUC Enterprise Operations and Bureaus.
18-0183	11-13-18	WD-2794A	Approve an increase of 102 consecutive calendar days to the existing 67-day construction contract duration contingency for **Contract No. WD-2794A**, Sunol Long Term Improvements Sunol Corporation Yard; and authorize the GM to approve future modifications to the contract, for a total revised contract duration of up to 837 consecutive calendar days, with no change in contract cost contingency.

18-0184	11-13-18	100-Year Storm Flood Risk Map – Recommend BOS Ordinance	Adopt a resolution recommending that the BOS adopt an ordinance requiring sellers or landlords of real property in SF to disclose to prospective buyers or tenants if the property is located within the flood risk zone delineated on the SFPUC's **100-Year Storm Flood Risk Map**, and requiring the DBI's Report of Residential Building Record to include a disclosure statement for property located within the flood risk zone.
18-0185	11-13-18	RBOC – Recommend BOS Ordinance	Adopt resolution recommending that the BOS adopt an **ordinance extending the sunset date of the Revenue Bond Oversight Committee** for an additional six years to January 1, 2025.
18-0186	11-13-18	Community Choice Aggregator Service Agreement	Approve **Community Choice Aggregator Service Agreement** with PG&E for continued services to the CleanPowerSF program; and authorize the GM to execute this agreement with a term of 10 years and submit it to the BOS for approval.
18-0187	11-13-18	Hetch Hetchy Power Integrated Resource Plan	Approve **Hetch Hetchy Power's Integrated Resource Plan** (IRP) and accompanying IRP Filing; and authorize the GM to submit the IRP Filing to the California Energy Commission prior to April 30, 2019.
18-0188	11-13-18	Power Enterprise Commercial Paper Program Extension	Authorize the expansion of the **Power Enterprise Commercial Paper Program** from $90 million to a not-to-exceed amount of $250 million, and direct the GM to request approval from the BOS for such expansion; approve forms of Letter of Credit agreements with Bank of America and Sumitomo Mitsui Bank, each in the principal amount not to exceed $125 million (exclusive of 270 days' interest), and approve a form of amended dealer agreement in support of the Program; and authorize the GM to enter into separate agreements with Bank of America for an amended Letter of Credit, Sumitomo Mitsui Bank for a new Letter of Credit, and Barclays, Goldman Sachs, and RBC Capital Markets for amended dealer agreements.
18-0189	11-13-18	Green Infrastructure Grant Program	Approve the grant program guidelines for the **Green Infrastructure Grant Program**, delegate to the GM the authority to negotiate, award and execute grant agreements of up to $2,000,000 each, and each with a term of 20 years, recommend that the BOS Supervisors adopt an ordinance delegating its authority under Charter Section 9.118 to the GM to execute such grant agreements for a term in excess of 10 years.
18-0190 **18-0191**	11-13-18	Closed Session	David Alfaro et al v City and County of San Francisco Sambou Makalou v. City and County of San Francisco
18-0192	12-11-18	CS-203A Amendment 3	Approve Amendment No. 3 to **Agreement No. CS-203.A**, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing

			projects for the Wastewater Enterprise; and authorize the GM to execute this amendment.
18-0193	12-11-18	CS-203-B Amendment 4	Approve Amendment No. 4 to **Agreement No. CS-203.B**, Wastewater and Stormwater Technical Services, with Brown & Caldwell - SRT, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the GM of the to execute this amendment.
18-0194	12-11-18	CS-203.D Amendment 3	Approve Amendment No. 3 to **Agreement No. CS-203.D**, Wastewater and Stormwater Technical Services, with Kennedy/Jenks Consultants-WRE, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the GM to execute this amendment.
18-0195	12-11-18	HH-982	Accept work performed by Robert E. Boyer Construction, Inc., for **Contract No. HH-982**, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins; approve Modification No. 15 (Final) increasing the contract amount by $2,185 and extending the contract duration by 99 consecutive calendar days, for a total final contract amount of $9,722,344 and a total contract duration of 686 consecutive calendar days; and authorize final payment to the contractor.
18-0196	12-11-18	HH-983	Accept work performed by Anvil Builders, Inc., for **Contract No. HH-983**, Cherry Dam Outlet Works Rehabilitation; approve Modification No. 7 (Final), increasing the contract amount by $236,366 and increasing the contract duration by 91 days, for a total contract amount of $6,929,777 and total contract duration of 757 consecutive calendar days; and authorize final payment to the contractor.
18-0197	12-11-18	JOC-56	Approve Modification No. 1 to **Job Order Contract, JOC-56**, Micro-LBE, HVAC Energy Efficiency (C-20 License), for SF, San Mateo, Alameda Counties with G.Y. Engineering Company, Inc., extending the term by three years for a total contract duration of five years, with no new task orders issued after four years from the Contract certification date as allowed under the SF Administrative Code Chapter 6.62, and with no change in contract amount.
18-0198	12-11-18	PRO.0054A-D	Approve the selection of AECOM/Lotus, Joint Venture (JV), Brown and Caldwell/SRT, JV, Hazen and Sawyer/Avila and Assoc., JV, and Woodard & Curran, Inc./Hydroconsult Engineers, Inc., JV; and award **Agreement Nos. PRO.0054.A-D**, As-Needed Wastewater and Stormwater Services, to provide as-needed wastewater and stormwater services; and authorize the GM to negotiate and execute four professional services agreements with AECOM (PRO.0054.A), Brown and Caldwell (PRO.0054.B), Hazen and Sawyer (PRO.0054.C) and Woodard & Curran (PRO.0054.D),

			each for an amount not-to-exceed $5,000,000, and each with a duration of five years.
18-0199	12-11-18	PRO.0097A-C	Award **Agreements Nos. PRO.0097.A-C**, Hetchy Capital Improvement Projects (HCIP) As-Needed Construction Management Services; approve the selection of AECOM-EMS Joint Venture (JV) (PRO.0097.A), Mott MacDonald/Dabri, Inc. JV (PRO.0097.B), and Avila and Associates Consulting Engineers, Inc. (PRO.0097.C), to provide construction management services to support HCIP on an as-needed basis; and authorize the GM to negotiate and execute three professional services agreements (PRO.0097.A, PRO.0097.B, PRO.0097C), each for an amount not-to-exceed $4,000,000 and each with a duration of five years.
18-0200	12-11-18	PRO.0113	Approve the selection of Enterprise Solutions Consulting LLC; award **Agreement No. PRO.0113**, SFPUC Hetch Hetchy Power Electric Billing System Replacement Project, for the procurement and implementation of a fully hosted and managed electric billing system for the SFPUC Power Enterprise; and authorize the GM to negotiate and execute a professional services agreement with Enterprise Solutions Consulting for a total amount not-to-exceed $4,374,527 and a contract duration of up to seven years.
18-0201	12-11-18	WD-2850(I)	Approve an increase in the amount of $112,250 to the construction contract cost contingency, and an increase of 131 consecutive calendar days to the duration contingency for **Contract No. WD-2850(I)**, Crystal Springs/San Andreas Pipeline Erosion Repair at OW-13 and OW-18; and authorize the GM to approve future modifications to the contract for a total revised contract amount of up to $527,500 and a total revised contract duration of up to 230 consecutive calendar days.
18-0202	12-11-18	WW-613	Approve an increase in the amount of $500,000 to the construction contract cost contingency, and an increase of 220 consecutive calendar days to the contract duration contingency for **Contract No. WW-613**, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the GM to approve future modifications to the contract for a total revised contract amount of up to $30,122,166, and a total revised contract duration of up to 1,309 consecutive calendar days.
18-0203	12-11-18	WW-638	Accept work performed by Ranger Pipelines, Inc., for **Contract No. WW-638**, Griffith Yard Improvements; approve Modification No. 4 (Final), increasing the contract amount by $891,167 for a total contract amount of $14,123,417, and extending the contract duration by 184 consecutive calendar days, for a total contract duration of 789 consecutive calendar days; and authorize final payment to the contractor.

18-0204	12-11-18	WW-650	Accept work performed by Precision Engineering, Inc., for **Contract No. WW-650**, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement; approve Modification No. 2 (Final), decreasing the contract amount by $274,716, and extending the contract duration by 315 consecutive calendar days, for a total contract amount of $2,927,434 and a total contract duration of 495 consecutive calendar days; and authorize final payment to the contractor.
18-0205	12-11-18	MOU with SFPD	Approve the terms and conditions of, and retroactively ratify the GM's execution of, a **Memorandum of Understanding** with the San Francisco Police Department (SFPD) to allow for SFPD's continued use of the premises at 700 John Muir Drive in SF as an existing firing range, personnel and police dog training facility, and parking, with no use fee.
18-0206	12-11-18	CS-200 Amendment 3	Approve Amendment No. 3 to **Agreement No. CS-200**, Right-of-Way Services with Associated Right of Way Services, Inc.; and authorize the GM to negotiate and execute Amendment No. 3, to expand the scope of right-of-way services beyond Sewer System Improvement Program and Water System Improvement Program projects to include other San Francisco Public Utilities Commission projects and third-party uses of the SFPUC-owned right-of-way, with no change to the agreement amount or duration.
18-0207	12-11-18	HH-995	Approve the plans and specifications, and award **Contract No. HH-995**, Hetch Hetchy & Cherry Lake Road Guardrail Improvement Project, in the amount of $1,887,735, with a duration of 394 consecutive calendar days, to the sole, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., as permitted under SF Administrative Code Section 6.23(c)(3), to install guardrails along Cherry Lake Road and Hetch Hetchy Road in Tuolumne County.
18-0208	12-11-18	WW-628 Modification 2	Approve Modification No. 2 for **Contract No. WW-628** SEP New Headworks Facility Project with Sundt-Walsh Joint Venture (JV), in the amount of $36,017,960, for a total contract amount of $292,180,184; approve an increase to the existing construction contract cost contingency in the amount of $18,630,619, for a total cost contingency of $43,086,841, and an increase to the existing contract duration contingency in the amount of 75 consecutive calendar days, for a total duration contingency of 278 consecutive calendar days; and authorize the GM to execute Modification No. 2 and to consider, and if appropriate, to approve, any future modifications to the contract amount for up to a total of $335,267,025, and to the contract duration for up to a total of 2,936 consecutive calendar days.
18-0209	12-11-18	Revised Schedule of Rates and Charges for CleanPowerSF	Public Hearing: Discussion and possible action to approve a **revised schedule of rates and charges for the San Francisco Public Utilities Commission Power Enterprise CleanPowerSF program service** in SF to take effect on or after February 1, 2019 that would: (1) set CleanPowerSF generation rates at or below comparable PG&E generation rates expected to be

			in effect on January 1, 2019, and (2) apply a new volumetric credit (cents per kilowatt-hour) equal to the net increase to each customer class's PG&E Power Charge Indifference Adjustment expected to be in effect as of January 1, 2019; and authorize the General Manager to adjust the rates once PG&E's final rates are published, as long as the rate adjustment ensures that program costs are recovered.
18-0210	12-11-18	Renewable Energy Contracts	Approve two **renewable energy contracts** for CleanPowerSF between the SFPUC and Southern California Edison Company, with a combined term of two years and total costs of approximately $27.5 million; and authorize the GM to seek approval from the BOS for the 2019 contract.
18-0211	12-11-18	Master License Agreement with SFUSD	Authorize the GM to seek Commission approval and execute a **Master License Agreement** (MLA) with the San Francisco Unified School District (SFUSD). The MLA provides for Energy Efficiency Project Services at appropriate locations throughout SFUSD, in order to reduce energy usage and natural gas consumption as part of SFUSD's goal to eliminate greenhouse gas emissions by 2040, per SFUSD Resolution No. 176-27A1, In Support of Carbon Neutral Schools. This MLA sets forth the terms and conditions under which SFUSD will allow the SFPUC to use certain SFUSD Sites to provide Energy Efficiency Project Services.
18-0212	12-11-18	2009 WSA Amendments	Authorize the GM to execute, on behalf of the CCSF, amendments to the **2009 Water Supply Agreement** with the SFPUC's wholesale water customers; and approve new service area maps attached to the Individual Water Sales Contracts of the cities of San Jose and Santa Clara.
18-0213	12-11-18	2018 Proposed Baseline scope, schedule and budget Water Enterprise CIP	Approve the **2018 Proposed Baseline scope, schedule and budget** for individual projects over $5 million that are currently active or planned to be active within FY2018-2019 or FY 2019-2020, that are part of the **Water Enterprise Capital Improvement Program**, a sub-set of projects within the adopted SFPUC 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Water Enterprise.
18-0214	12-11-18	2018 Proposed Baseline scope, schedule and budget Hetch Hetchy CIP	Approve the **2018 Proposed Baseline scope, schedule and budget** for individual projects over $5 million that are currently active or intended to be active during FY2018-2019 or FY2019-2020 that are part of the **Hetch Hetchy Capital Improvement Programs**, a sub-set of projects within the adopted San Francisco Public Utilities Commission 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Hetch Hetchy Water and Power Enterprise.
18-0215	12-11-18	Easement Quitclaim Deed	Declare surplus public utility easements encumbering San Francisco Block 8709, Lots 018, 019, 021, and 022; approve the terms and conditions of, and authorize the General Manager to execute, four **Easement Quitclaim Deeds** transferring the San Francisco Public Utilities Commission's interests in the Easements to ARE-San Francisco No. 15, LLC, ARE-San Francisco No. 36, LLC, and Mission Bay Commercial Maintenance Corporation.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
President of the Board of Supervisors
Acting Mayor

AGENDA
Tuesday, January 9, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 71-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.0761. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of December 12, 2017

4. General Public Comment
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Comprehensive Financial Report
   e) Annual Popular Financial Report
   f) Citizens' Advisory Committee Resolution Adopted November 21, 2017
   g) Consideration of Alternative Productive Uses of Bay Division Pipeline 1 & 2
   h) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

   a) Approve Amendment No. 2 to **Agreement No. CS-203A**, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, extending the agreement duration by one year, for a total agreement duration of six years and two months, and increasing the

18-0001

agreement amount by $1,000,000, for a total not-to-exceed agreement amount of $5,000,000, in order to continue to provide as-needed specialized and technical services for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Henderson)

b) Approve increase to the existing contract cost contingency in the amount of $1,600,000, and increase to the contract duration contingency by 57 consecutive calendar days, for **Contract No. HH-983**, Cherry Dam Outlet Works Rehabilitation; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $7,463,740, and a total revised contract duration of up to 760 consecutive calendar days (approximately two years, one month). (How)

18-0002

c) Approve increase in the construction contract cost and duration contingencies for **Contract No. WD-2770**, Cathodic Protection for Transmission Pipelines at Various Locations, Phase 1, in the amount of $283,000, and with an increase to the existing contract duration contingency of 300 consecutive calendar days (approximately 10 months); and authorize the General Manager, or his designee, to approve future modifications to the contract for a total revised contract amount of up to $2,307,814, and a total duration of up to 564 consecutive calendar days (approximately one year and six months). (How)

18-0003

d) Approve an increase in the construction contract duration contingency for **Contract No. WD-2817**, Peninsula Pipeline Seismic Upgrade Phase 3, with Mitchell Engineering, Inc., by 150 consecutive calendar days; and authorize the General Manager or his designee to approve future modifications to the contract for a total revised contract duration of up to 585 consecutive calendar days (approximately one year, six months). (How)

18-0004

e) Accept work performed by J. Flores Construction, Inc., for **Contract No. WW-619**, As-Needed Spot Sewer Replacement No. 34, for a total contract amount of $8,041,675, and with a total contract duration of 429 consecutive calendar days (approximately one year and two months); and authorize final payment to the contractor. (How)

18-0005

f) Approve the plans and specifications, and award **Contract No. WW-657R**, Drumm & Jackson Streets Sewer Improvements, in the amount of $5,240,900, to the lowest, qualified, responsible, and responsive bidder, Anvil Builders Inc., to rehabilitate both the Drumm Street and Jackson Street Box Sewers. (How)

18-0006

REGULAR SESSION

9. Authorize the General Manager to execute a **Memorandum of Understanding** with the San Francisco Recreation and Parks Department (SFRPD) to establish authorized entry and access to SFRPD properties by SFPUC representatives in order to inspect, install, modify, remove, repair, replace, and test a temporary overhead powerline in McLaren Park. The Project is needed for the redevelopment of the Sunnydale Housing facilities in San Francisco as part of HOPE SF. This action constitutes the Approval Action for the project for the

18-0007

purposes of the California Environmental Quality Act (CEQA), pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Carlin)

10. Approve an increase to the existing contract cost in the amount of $7,653,800, and an increase to the contract duration by 168 consecutive calendar days (approximately five and one-half months), for **Contract No. DB-128R2**, Bay Corridor Transmission and Distribution – Phase 1; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $24,466,123, and a total contract duration of up to 672 consecutive calendar days (approximately one year, 10 months). This action constitutes the Approval Action for the project for the purposes of the CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

IS-0008

11. Approve the selection of Kennedy/Jenks Consultants-AGS Joint Venture (JV) (Kennedy/Jenks-AGS JV), AECOM Technical Services, Inc., and Stantec Consulting Services, Inc., Water Resources Engineering, Inc., (Stantec-WRE JV); and award **Agreements Nos. PRO.0076A-C**, As-Needed Engineering Design Services, to Kennedy/Jenks-AGS JV (PRO.0076A); AECOM Technical Services, Inc., (PRO.0076B); and Stantec-WRE JV (PRO.0076C), to provide specialized engineering design services on an as-needed basis; and authorize the General Manager to negotiate and execute three professional services agreements, each with an amount not-to-exceed $4,000,000, and each with a duration of five years with the selected consultants, or in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer(s). (How)

IS-0009

12. Public Comment on matters to be discussed during Closed Session.

13. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

The Commission will go into Closed Session to discuss the following items:

CLOSED SESSION

14. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

15. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

17. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric

20. Threat to Public Services or Facilities – Pursuant to California Government Code Section 54957 and San Francisco Administrative Code Section 67.10 (a) (discussion only) (Carlin)

Following Closed Session, the Commission will reconvene in Open Session

21. Announcement following Closed Session.

22. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12(a).

23. Other New Business. (discussion only)

24. Adjournment.

NOTICE OF PUBLIC HEARING: Tuesday, January 23, 2018 – 1:30 PM, City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, at a Regular Meeting of the SAN FRANCISCO PUBLIC UTILITIES COMMISSION: Public Hearing, discussion, and possible action to adopt revised CleanPowerSF's (Community Choice Aggregation) SuperGreen Generation Rate Premiums and modifications to CleanPowerSF Net Energy Metering Tariff. The detailed agenda and related files will be available at least 72 hours before the scheduled meetings at the SFPUC website www.sfwater.org, or by calling (415) 554-3165.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

San Francisco Public Utilities Commission
SPECIAL MEETINGS NOTICE

(Posted December 18, 2017)
(Updated December 18, 2017)

Special Budget Hearings will be held on the following dates:

Thursday, January 18, 2018
(Wastewater Enterprise, Water Enterprise (time permitting))

Thursday, January 25, 2018
(Water Enterprise, Hetch Water, Power Enterprise)

Thursday, February 1, 2018
(SFPUC Bureaus: General Manager, External Affairs, Business Services)

*** NOTE DIFFERENT TIME AND LOCATION***

9:00 A.M.
525 Golden Gate Avenue, 2nd Floor
O'Shaughnessy Conference Rooms A, B, & C
San Francisco, CA 94102

A detailed agenda will be available 72 hours in advance of each hearing

Commissioners

Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site: www.sfwater.org

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Acting Mayor
and
President of the Board of Supervisors

Minutes
Tuesday, January 9, 2018
(Approved January 23, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:34 PM.

2. Roll Call
   Present: Kwon, Courtney, Vietor and Moran
   Commissioner Caen arrived at 1:48 PM.

   President Kwon announced there would be no Closed Session.

3. Approval of the Minutes of December 12, 2017
   On Motion to approve the Minutes of December 12, 2017:
   Ayes: Kwon, Courtney, Vietor and Moran

   No public comment.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Comprehensive Financial Report
   e) Annual Popular Financial Report
   f) Citizens' Advisory Committee Resolution Adopted November 21, 2017
   g) Consideration of Alternative Productive Uses of Bay Division Pipeline 1 & 2
   h) Water Supply Conditions Update

      No public comment.

6. Other Commission Business
   Vice President Courtney reported on the start of the 2018 class of the Mario De La Torre Academy at Gleneagles Golf Course (Pre-Apprenticeship Program), noting there are 13 participants in the eight-week program. He indicated an asphalt component has been added and that he is working on a dispatch component which will commence soon. He stated certifications will be provided. He will give the Commission periodic updates.

   No public comment.

7. Report of the General Manager
   a) CleanPowerSF Update
      Barbara Hale, Assistant General Manager (AGM) Power, provided a CleanPowerSF update: (1) Enrollment: She noted the completion of small enrollment, and stated the program currently serves 80,500 sites. The opt-out rate is maintaining at 3.2%; SuperGreen upgrade is at 4.1%; Next small enrollment (April 2018) will include the 230 on the wait-list (65% of those

seeking SuperGreen upgrade); Next large enrollment (citywide) in July; and current efforts to procure supply and financial support. AGM Hale noted items that will be brought before the Commission for approval at upcoming meetings. (2) Legislative: Board of Supervisor's Ordinance has been introduced authorizing the SFPUC with limited delegated authority to enter into supply contracts; California CCA preparing for lobbying day in January, with SFPUC's participation. (3) Regulatory: Continuing action on Exit Fee (PCIA), with the annual adjustment delayed until March 1st; SFPC will participate in January 16-17 California PUC (CPUC) workshops on general reform of PCIA; Update on CPUC Resolution on Resource Adequacy; and PG&E revisions to Solar Choice and Green Tariff Program.

AGM Hale responded to a question from Commissioner Vietor regarding district (business) enrollment. Commissioner Vietor requested a future presentation include the demographics of the enrollment profile.

AGM Hale responded to a question from Commissioner Moran as to whether PG&E's shifting of customers to time-of-day rates affects the SFPUC.

Commissioner Caen arrived at 1:48 PM.

No public comment.

b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

8. *Consent Calendar*

a) Approve Amendment No. 2 to Agreement No. CS-203A, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, extending the agreement duration by one year, for a total agreement duration of six years and two months, and increasing the agreement amount by $1,000,000, for a total not-to-exceed agreement amount of $5,000,000, in order to continue to provide as-needed specialized and technical services for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Resolution 18-0001)

b) Approve increase to the existing contract cost contingency in the amount of $1,600,000, and increase to the contract duration contingency by 57 consecutive calendar days, for Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $7,463,740, and a total revised contract duration of up to 760 consecutive calendar days. (Resolution 18-0002)

c) Approve increase in the construction contract cost and duration contingencies for Contract No. WD-2770, Cathodic Protection for Transmission Pipelines at Various Locations, Phase 1, in the amount of

$283,000, and with an increase to the existing contract duration contingency of 300 consecutive calendar days; and authorize the General Manager, or his designee, to approve future modifications to the contract for a total revised contract amount of up to $2,307,814, and a total duration of up to 564 consecutive calendar days. (Resolution 18-0003)

d) Approve an increase in the construction contract duration contingency for Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade Phase 3, with Mitchell Engineering, Inc., by 150 consecutive calendar days; and authorize the General Manager or his designee to approve future modifications to the contract for a total revised contract duration of up to 585 consecutive calendar days. (Resolution 18-0004)

e) Accept work performed by J. Flores Construction, Inc., for Contract No. WW-619, As-Needed Spot Sewer Replacement No. 34, for a total contract amount of $8,041,675, and with a total contract duration of 429 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0005)

f) Approve the plans and specifications, and award Contract No. WW-657R, Drumm & Jackson Streets Sewer Improvements, in the amount of $5,240,900, to the lowest, qualified, responsible, and responsive bidder, Anvil Builders Inc., to rehabilitate both the Drumm Street and Jackson Street Box Sewers. (Resolution 18-0006)

On Motion to approve Consent Calendar:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

9. Authorize the General Manager to execute a Memorandum of Understanding with the San Francisco Recreation and Parks Department (SFRPD) to establish authorized entry and access to SFRPD properties by SFPUC representatives in order to inspect, install, modify, remove, repair, replace, and test a temporary overhead powerline in McLaren Park. The Project is needed for the redevelopment of the Sunnydale Housing facilities in San Francisco as part of HOPE SF. This action constitutes the Approval Action for the project for the purposes of the California Environmental Quality Act (CEQA), pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0007)

On Motion to approve item 9:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

10. Approve an increase to the existing contract cost in the amount of $7,653,800, and an increase to the contract duration by 168 consecutive calendar days for Contract No. DB-128R2, Bay Corridor Transmission and Distribution – Phase 1;

and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $24,466,123, and a total contract duration of up to 672 consecutive calendar days. This action constitutes the Approval Action for the project for the purposes of the CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0008)

On Motion to approve item 10:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

11. Approve the selection of Kennedy/Jenks Consultants-AGS Joint Venture (JV) (Kennedy/Jenks-AGS JV), AECOM Technical Services, Inc., and Stantec Consulting Services, Inc., Water Resources Engineering, Inc., (Stantec-WRE JV); and award Agreements Nos. PRO.0076A-C, As-Needed Engineering Design Services, to Kennedy/Jenks-AGS JV (PRO.0076A); AECOM Technical Services, Inc., (PRO.0076B); and Stantec-WRE JV (PRO.0076C), to provide specialized engineering design services on an as-needed basis; and authorize the General Manager to negotiate and execute three professional services agreements, each with an amount not to exceed $4,000,000, and each with a duration of five years with the selected consultants, or in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer(s). (Resolution 18-0009)

On Motion to approve item 11:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

President Kwon restated there would be no Closed Session.

12. Public Comment on matters to be discussed during Closed Session.

13. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

14. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

15. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

17. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.

Case No.: EL15-3-000/Date Filed: October 9, 2014

20. Threat to Public Services or Facilities – Pursuant to California Government Code Section 54957 and San Francisco Administrative Code Section 67.10 (a)

21. Announcement following Closed Session.

22. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12(a).

23. Other New Business
None.

24. Adjournment
President Kwon adjourned the meeting at 1:51 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0001**

WHEREAS, On November 13, 2012, this Commission awarded Agreement No. CS-203A, Wastewater and Stormwater Technical Services, to CH2M Hill and Avila Associates, Joint Venture, to provide as-needed specialized and technical services for the Wastewater Enterprise, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement in the amount of $4,000,000 and with a term of five years; and

WHEREAS, On April 18, 2016, SFPUC staff issued Amendment No. 1 to extend the total agreement duration to five years, two months to account for delays in contract certification; and

WHEREAS, Amendment No. 2 is being requested to increase the agreement amount by $1,000,000 and to extend the term of the agreement by one year, for a total not-to-exceed amount of $5,000,000 and a total agreement duration of six years and two months, to allow the contractor to continue to provide as-needed specialized and technical services for the Wastewater Enterprise in accordance with the Request for Proposals, which provided for a term of up to nine years for the Agreement; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement; and

WHEREAS, Funds for this agreement are available from the SFPUC Wastewater Enterprise's annual operating and capital budgets, now therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to Agreement No. CS-203A, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, and authorizes the General Manager of the SFPUC to negotiate and execute this amendment in the amount of $1,000,000, for a total not-to-exceed agreement amount of $5,000,000, and with a time extension of one year, for a total agreement duration of six years and two months.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0002**

WHEREAS, On March 8, 2016, per Resolution No. 16-0040, this Commission approved the award of Hetch Hetchy Water & Power funded Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation, to Anvil Builders, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for June 22, 2016; and

WHEREAS, The original contract amount was for $3,063,400, and the original contract duration was 610 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On June 13, 2017, per Resolution No. 17-0132, this Commission approved an increase to the contract cost contingency of $2,494,000, increasing the total contract cost to $5,863,740, and approved an extension to the duration contingency of 32 consecutive calendar days for repair of two (2) 84-inch butterfly valves (BFVs); and

WHEREAS, Resolution No. 17-0132 incorrectly stated that the original contract duration was 580 days with a duration contingency of 58 consecutive calendar days, and thus incorrectly stated that the increase in contract duration contingency by 32 consecutive calendar days resulted in an increase in the contract duration contingency to 90 consecutive calendar days, and an incorrect total contract duration of 670 consecutive calendar days; and

WHEREAS, It is requested that this Commission approve corrections to Resolution No. 17-0132 to correctly state that the original contract duration was 610 days with a duration contingency of 61 consecutive calendar days, and thus correctly increase the contract duration contingency limit to 93 consecutive calendar days rather than 90 days, and authorize the General Manager to modify the contract up to a total of 703 calendar days, rather than 670 days, including the 32 days additional contingency approved as part of that resolution; and

WHEREAS, A further increase in the contract cost contingency in the amount of $1,600,000 and a further increase in duration contingency in the amount of 57 consecutive calendar days are requested, to address the additional unforeseen corrosion and cracks in the existing BFVs, modify bolt holes of the newly fabricated BFV disk seats to match field conditions, and associated work to continue isolation of the outlet works pipeline for safe working conditions, including installation and removal of bulkheads for lock-out/tag-out, bypass pumping system operation, diving work with supporting boats and equipment, and other related work, subject to the General Manager's subsequent authorization of modifications, as appropriate; and

WHEREAS, The proposed work addressed in this amendment is statutorily exempt under the California Environmental Quality Act Guidelines Section 15269, a, b, and c.; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) goal of 10% for this contract, and the contractor committed to a LBE participation of 10.36% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUH-102 Hetchy Water – Joint Project; now, therefore, be it

RESOLVED, That this Commission hereby approves the correction to its prior approval of an increase in the contract duration contingency of 32 consecutive calendar days in Resolution No. 170-0132, adopted on June 13, 2017, for the Hetch Hetchy Water & Power funded Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation, by correcting the total contract duration contingency to 93 consecutive calendar days, rather than 90 days; and correcting the authority of the General Manager (or his designee) to consider, and if appropriate, to approve any future modifications to the contract duration up to 703 consecutive calendar days, rather than 670 days; and be it

FURTHER RESOLVED, That this Commission approves a further increase to the existing contract cost contingency in the amount of $1,600,000 and a further increase in duration contingency of 57 consecutive calendar days for the Hetch Hetchy Water & Power funded Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation, for a total contract cost contingency of $4,400,340 and a total contract duration contingency of 150 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager or his designee to consider, and if appropriate, to approve any future modifications to the contract amount up to $7,463,740 and to the contract duration up to 760 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0003**

WHEREAS, On August 9, 2016, per Resolution No. 16-0160, this Commission approved the award of Water Enterprise, 10-Year Capital Improvement Program (CIP) funded Contract No. WD-2770, Cathodic Protection for Transmission Pipelines at Various Locations, Phase 1, to American Construction & Supply, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was November 9, 2016; and

WHEREAS, The original contract amount was for $1,840,740 and the original contract duration was 240 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, The project team has identified potential change orders with potential cost increases and delays related to relocating rectifier systems and cabinets, utility connections, and anode wells due to differing site conditions and neighbor and City Agency concerns; and

WHEREAS, Potential change orders are estimated to amount to $466,532 and the original 10% contingency amount is $184,074; and

WHEREAS, These potential change orders, if converted to approved change orders, would exceed the pre-approved 10% construction cost and duration contingencies, and

WHEREAS, An increase in the contract cost contingency of $283,000 is requested, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, An increase in the contract duration contingency of 300 consecutive calendar days is requested, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, The Contract Monitoring Division (CMD) established Local Business Enterprise (LBE) subcontracting participation of 4% for this construction contract, and the contractor committed to a LBE participation of 5.86% with its bid submittal;

WHEREAS, Funds are available from Project No. CUW-27301 Corrosion Control; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the contract cost contingency in the amount of $283,000 and an increase in the contract duration contingency of 300 consecutive calendar days for Water Enterprise, 10-Year CIP funded Contract No. WD-2770, Cathodic Protection for Transmission Pipelines at Various Locations, Phase 1, for a total contract cost contingency of $467,074 and a total contract duration contingency of 324 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager or his designee to consider and, if appropriate, to approve any future modifications to the contract amount of up to a total contract cost of $2,307,814 and to the contract duration of up to a total contract duration of 564 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0004**

WHEREAS, On May 24, 2016, per Resolution No. 16-0097, this Commission approved the award of Water Enterprise 10-Year CIP-funded Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade Phase 3, to seismically upgrade a portion of the San Andreas Pipeline No. 2 and the Sunset Supply Pipeline in San Francisco, South San Francisco, and Colma, to Mitchell Engineering, Inc.; and

WHEREAS, The construction contract Notice-To-Proceed date was August 22, 2016; and

WHEREAS, The original contract amount was for $6,979,152 and the original contract duration was 396 consecutive calendar days; and

WHEREAS, Modifications No. 1-4 were issued to increase the contract cost and duration by $694,460 and 39 consecutive calendar days to address differing site conditions at various sites, an owner requested change to replace an existing valve, and acceleration work to complete the changes and system shutdown on-time, increasing the contract amount to $7,673,612 and contact duration to 435 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increases in contract duration in excess of 10% of the original contract duration to complete construction work be approved by this Commission; and

WHEREAS, The original approved 10% contract duration contingency approved by this Commission on May 24, 2016, per Resolution No. 16-0097 totals 39 consecutive calendar days, allowing for approval of future modifications up to a total contract duration of 435 consecutive calendar days; and

WHEREAS, The SFPUC project team requests an increase in the contract duration contingency of up to 150 consecutive calendar days, subject to the General Manager's subsequent authorization of modifications, if appropriate, for possible contract time extensions associated with proposed change orders and pending change orders; and

WHEREAS, The Contract Monitoring Division established a subcontracting goal of 20% Local Business Enterprise (LBE) participation for this construction contract, and the contractor committed to a LBE subcontracting participation of 20.074% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUW2730503, Peninsula Pipeline Seismic Upgrade - Phase 3; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the contract duration contingency of 150 consecutive calendar days for Water Enterprise 10-Year CIP-funded Contract No. WD-2817 Peninsula Pipeline Seismic Upgrade Phase 3; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve any future modifications to the contract duration for a total revised contract duration of up to 585 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0005**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program-funded Contract No. WW-619, As-Needed Spot Sewer Replacement No. 34, by the contractor, J. Flores Construction, Inc.; and

WHEREAS, On December 8, 2015, by Resolution No. 15-0259, this Commission awarded Contract No. WW-619, As-Needed Spot Sewer Replacement, No. 34 in the amount of $7,311,675, to the lowest, qualified responsible and responsive bidder, J. Flores Construction, Inc.; and

WHEREAS, The construction contract Notice-To-Proceed date was set for March 21, 2016, with an original schedule of 395 consecutive calendar days and the contract work was completed in 429 consecutive calendar days on May 23, 2017; and

WHEREAS, The original contract amount was for $7,311,675 and the original contract duration was 395 consecutive calendar days; and

WHEREAS, Modification No. 1 was issued for $730,000 to adjust contract bid item quantities to match actual quantities used, increasing the contract not-to-exceed amount to $8,041,675, and for a time extension of 34 consecutive calendar days to complete all contract work, increasing the contract duration to 429 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division determined that the contractor has made a good faith effort to comply with the 20% Local Business Enterprise subcontractor participation goal established for this project, and concurs with the closeout of this contract; and

WHEREAS, Funds are available from Project No. 10015670, As-Needed Spot Sewer Replacement No. 34; now, therefore, be it

RESOLVED, That this Commission hereby accepts the work performed by J. Flores Construction, Inc. for Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program-funded Contract No. WW-619, As-Needed Spot Sewer Replacement No. 34, for a total contract amount of $8,041,675, and with a total contract duration of 429 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0006**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-657R, Drumm & Jackson Streets Sewer Improvements, on October 6, 2017; and

WHEREAS, The purpose of the Drumm & Jackson Streets Sewer Improvements project (Project) is to rehabilitate 800 linear feet (LF) of the Drumm Street Box Sewer (between Commercial and Jackson Streets) and 200 LF of the Jackson Street Box Sewer (between Drumm Street and the Embarcadero; and

WHEREAS, The Project includes work located within the jurisdiction of the Port of San Francisco (Port) on the Embarcadero and in Sea Wall Lot (SWL) 351 which is occupied by a Port tenant; and

WHEREAS, On May 9, 2017, by Resolution No. 17-0097, this Commission approved Project Number CWWSIPCSSR09, Drumm and Jackson Streets Sewer System Improvements Project and authorized the General Manager to negotiate and execute appropriate form of agreement, with the Port and to negotiate and execute the SWL 351 Permit to Enter and Use Property, with the Port's tenant at SWL 351, Ferry Building Associates, LLC; and

WHEREAS, SFPUC staff has negotiated a Permit to Enter and Use Property with the Port's tenant at SWL 351, Ferry Building Associates, LLC, for access to SWL 351 for construction and staging purposes; and

WHEREAS, The Engineer's Estimate is $4,810,000 for this construction contract work to rehabilitate the Drumm Street Box Sewer and the Jackson Street Box Sewer and associated improvements; and

WHEREAS, The contract duration is 200 consecutive calendar days (approximately seven months); and

WHEREAS, Three (3) bids were received and opened publicly on November 16, 2017; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Anvil Builders Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this contract, and the contractor committed to a LBE participation of 10.11% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CWWSIPCSSR09, Drumm and Jackson Streets Sewer System Improvements; and

WHEREAS, On November 10, 2016, the Planning Department determined that the Drumm and Jackson Sewer System Improvements Project is exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15301 (Class 1, Existing Facilities) under Case Number 2016-013787ENV; now, therefore be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE, SSIP funded Contract No. WW-657R, Drumm & Jackson Streets Sewer Improvements, in the amount of $5,240,900, and for a duration of 200 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Anvil Builders Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0007**

WHEREAS, The Parties are departments or divisions of the City and County of San Francisco, a municipal corporation ("City"); and

WHEREAS, City owns certain real property known as McLaren Park (the "McLaren Park"); and

WHEREAS, McLaren Park is under the jurisdiction of the Recreation and Parks Department ("RPD"); and

WHEREAS, The Public Utilities Commission ("PUC") has jurisdiction over and operates and maintains the City's municipal electrical distribution and service facilities; and

WHEREAS, The Sunnydale-Velasco HOPE SF development project ("Sunnydale HOPE SF"), adjacent to McLaren Park, is a multi-phase project where residents in existing buildings at Sunnydale-Velasco Public Housing ("Sunnydale") will move to new buildings in phases, allowing demolition of existing buildings; and

WHEREAS, The City and the San Francisco Housing Authority desire to maintain electrical service to existing buildings at Sunnydale during the development of Sunnydale HOPE SF. To that end, PUC seeks permission to install a temporary overhead line connecting to PG&E's existing distribution line immediately south of Sunnydale Avenue within McLaren Park, three or four poles to switch from PG&E power to PUC power, an underground 4 kilovolt (kV) electrical distribution line, and appurtenances such as underground boxes and vaults (collectively, "PUC Facilities"), within the agreed upon area ("PUC Service Area"); and

WHEREAS, To benefit McLaren Park, the Project will replace and relocate the existing overhead line from the PG&E facilities to the streetlight near the Glen Eagles golf course driveway, replace the streetlight and connect it to the new underground distribution system along Sunnydale Avenue, provide a stub out for a power connection for RPD's new bike skills park, reconnect RPD's building at 2050 Sunnydale Avenue to the PUC Facilities, and install conduit for future communications facilities within the joint trench for RPD's use; and

WHEREAS, Accordingly, the Parties now desire to enter into this Agreement to (i) state the conditions under which the PUC shall operate, maintain, replace and repair the PUC Facilities; (ii) confirm the PUC's right to use the PUC Service Area; (iii) state the terms and conditions for use of the PUC Service Area by the Parties; and (iv) confirm that PUC will construct facilities for RPD; and

WHEREAS, On December 12, 2017, the Planning Department determined that this project is categorically exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15303 (New Construction or Conversion of Small Structures), Class 3, subsection (d), now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to execute a Memorandum of Understanding with the San Francisco Recreation and Parks Department for a term not to exceed nine (9) years to establish and manage the temporary power lines for the Sunnydale HOPE SF project.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0008**

WHEREAS, On April 25, 2017, per Resolution No. 17-0092, this Commission approved the award of Power Enterprise Program and Sewer System Improvement Program-funded Design-Build Contract No. DB-128R2, Bay Corridor Transmission and Distribution – Phase 1 (Project), to A & B Construction to perform design and construction of an electrical duct bank, Wastewater Enterprise Mariposa dry-weather force main, and gravity sewer improvements; and

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) issued the first Notice-to-Proceed to initiate design services for the Project on July 27, 2017; and

WHEREAS, The original contract amount was $15,283,930, and the original contract duration was 458 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that Commission approval of any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration; and

WHEREAS, SFPUC staff seeks to add the construction of an Auxiliary Water Supply System (AWSS) pipeline and additional electrical duct bank to accommodate Mission Bay area customers to the work under the contract, and the cost of these additions to the scope of work, potential change orders, and trends amounts to $7,653,800, which exceeds the approved construction cost contingency; and

WHEREAS, SFPUC staff requests an increase in the contract cost in the amount of $7,653,800, and an increase to the existing contract duration in the amount of 168 consecutive calendar days, to account for these scope additions, potential change orders and trends; and

WHEREAS, On May 12, 2017, the Planning Department determined that the new AWSS pipeline is statutorily exempt under Public Resources Code (PRC) Section 21080.21 and California Environmental Quality Act Guidelines Section 15282(k); and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20% for design work and 15% for construction work for this contract, and the contractor committed to a LBE subcontracting participation of 20% for design work and 21.5% for construction work with its bid submittal; and

WHEREAS, Funds are available from Project No. CUH870 - Distribution Services Retail Customers, Project No. CWWSIPCSPS03 - Mariposa Dry-Weather Pump Station and Force Main Improvements, and Project No. CUWAW2AW43 – Mariposa Terry A. Francois Blvd AWSS Pipeline; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing contract cost in the amount of $7,653,800, and an increase to the existing duration in the amount of 168 consecutive calendar days, for the Power Enterprise Program, Water Enterprise Program, and Sewer System Improvement Program-funded Contract No. DB-128R2, Bay Corridor Transmission and Distribution – Phase 1; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to consider and, if appropriate, to approve future modifications to the contract amount of up to $24,466,123, and to the contract duration for up to 672 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0009**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires as-needed professional engineering design services necessary for the design and construction of improvements to various SFPUC facilities in the Water, Power, and Wastewater Enterprises; and

WHEREAS, It is necessary to procure the services of qualified engineering consultants to provide specialized as-needed engineering design services to supplement SFPUC staff; and

WHEREAS, On September 15, 2017, SFPUC issued a Request for Proposals (RFP) to select up to three contractors to provide as-needed design services, with a not-to-exceed amount of $4,000,000 per agreement for a cumulative total of $12,000,000, and with a term not to exceed five years per agreement; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the proposals resulted in the selection of Kennedy/Jenks Consultants-AGS Joint Venture (Kennedy/Jenks-AGS JV), AECOM Technical Services, Inc., and Stantec Consulting Services, Inc.-Water Resources Engineering, Inc. Joint Venture (Stantec-WRE JV) as the highest scoring responsive proposers; and

WHEREAS, Services are anticipated to begin under the three agreements in February 2018 and end in February 2023, with the duration of each agreement being five years; and

WHEREAS, CMD established a subconsulting requirement of 16% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for each of these agreements, and Kennedy/Jenks-AGS JV, AECOM Technical Services, Inc., and Stantec-WRE JV have respectively committed to LBE subconsultant participation of 17.50%, 21.85%, and 18.50%; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the proposer to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for these agreements will be available from individual projects; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Kennedy/Jenks-AGS JV, AECOM Technical Services, Inc., and Stantec-WRE JV; and awards Project-funded Agreements Nos. PRO.0076A-C, As-Needed Engineering Design Services to Kennedy/Jenks-AGS JV (PRO.0076A); AECOM Technical Services, Inc. (PRO.0076B); and Stantec-WRE JV (PRO.0076C), to provide specialized engineering design services on an as-needed basis; and authorizes the General Manager of the SFPUC to negotiate and execute three professional services agreements, each with an amount not to exceed $4,000,000; and each with a term of five years to the selected consultants; or in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer(s).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 9, 2018.

Diana Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Acting Mayor
and
President of the Board of Supervisors

AGENDA

SPECIAL MEETING
Budget Hearing #1
Thursday, January 18, 2018
(Noticed December 18, 2017)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

For questions about the meeting, please contact (415) 554-3165. The ringing of and use of cell phones, pages, and similar sound-producing electronic devices are prohibited. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know your rights under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decisions in full view of the public. Commissions, boards, councils, and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact the Sunshine Ordinance Task Force, City Hall, Room 409, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, Phone: (415) 554-7724; Fax: (415) 554-7854; E-mail: sotf@sfgov.org. Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at www.sfgov.org.

Disability Access: The Special SFPUC meeting will be held at 525 Golden Gate Avenue, Second Floor, O'Shaughnessy Conference Rooms A, B, and C, San Francisco, CA. The closest accessible BART Station is at Civic Center. Accessible MUNI lines serving this location are: Metro lines J Church, K Ingleside, L Taraval, M Oceanview, N Judah and T Third at Van Ness and Civic Center Stations; F Market Line; and bus routes 19 Polk, 47 Van Ness, 49 Mission Van Ness, 5 Fulton, 6 Parnassus, 21 Hays, 9 San Bruno, 9L San Bruno Limited, 71 Haight Noriega and 71L Noriega Limited. For more information about MUNI accessible services call (415) 701-4485. The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets. To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at (415) 554-0761, or by emailing dhood@sfwater.org. Providing at least 72 hours notice will help to ensure availability. To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products.

LANGUAGE ACCESS

Per the Language Access Ordinance (Chapter 91 of the San Francisco Administrative Code), Chinese, Spanish and or Filipino (Tagalog) interpreters will be available upon requests. Meeting Minutes may be translated, if requested, after they have been adopted by the Commission. Assistance in additional languages may be honored whenever possible. To request assistance with these services please contact the Commission Clerk Donna Hood at (415) 554-0761, or dhood@sfwater.org at least 48 hours in advance of the hearing. Late requests will be honored if possible.

語言服務

根據語言服務條例 （三藩市行政法典第91章），中文、西班牙語和或菲律賓語（泰加洛語）傳譯人員在收到要求後將會提供傳譯服務。翻譯版本的會議記錄可在委員會通過後透過要求而提供。其他語言協助在可能的情況下也將可提供。上述的要求，請於會議前最少 (415) 554-0761 或電郵至 dhood@sfwater.org] 會秘書Donna Hood提出。逾期提出的請求，若可能的話，亦會被考慮錄納。

ACCESO A IDIOMAS

De acuerdo con la Ordenanza de Acceso a Idiomas *"Language Access Ordinance"* (Capítulo 91 del Código Administrativo de San Francisco *"Chapter 91 of the San Francisco Administrative Code")* intérpretes de chino, español y/o filipino (tagalo) estarán disponibles de ser requeridos. Los minutos podrán ser traducidos, de ser requeridos, luego de ser aprobados por la Comisión. La asistencia en idiomas adicionales se tomará en cuenta siempre que sea posible. Para solicitar asistencia con estos servicios favor comunicarse con la Secretaria de la Comisión Donna Hood al (415) 554-0761, o dhood@sfwater.org por lo menos 48 horas antes de la reunión. Las solicitudes tardías serán consideradas de ser posible.

PAG-ACCESS SA WIKA

Ayon sa Language Access Ordinance (Chapter 91 ng San Francisco Administrative Code), maaaring mag-request ng mga tagapagsalin sa wikang Tsino, Espanyol, at/o Filipino (Tagalog). Kapag hiniling, ang mga kaganapan ng miting ay maaring isalin sa ibang wika matapos ito ay aprobahan ng komisyon. Maari din magkaroon ng tulong sa ibang wika. Sa mga ganitong uri ng kahilingan, mangyaring tumawag sa Clerk ng Commission Donna Hood sa (415) 554-0761, o dhood@sfwater.org sa hindi bababa sa 48 oras bago mag miting. Kung maari, ang mga late na hiling ay posibleng pagbibigyan.

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Public Hearing and discussion of the Proposed FY 2018-19 and FY 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission:

   A. Budget Overview

   B. Proposed Wastewater Enterprise Budget, Capital and Financial Plans
      i. FY 2018-19 and FY 2019-20 Operating Budget
      ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
      iii. FY 2018-19 through FY 2027-28 Financial Plan

   C. Proposed Water Enterprise Budget, Capital and Financial Plans
      i. FY 2018-19 and FY 2019-20 Operating Budget
      ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
      iii. FY 2018-19 through FY 2027-28 Financial Plan

4. Motion to continue meeting to a Special Meeting noticed for Thursday, January 25, 2018

San Francisco Public Utilities Commission
525 Golden Gate Avenue
13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Acting Mayor
and
President of the Board of Supervisors

Minutes

SPECIAL MEETING
Budget Hearing #1
Thursday, January 18, 2018
(Approved February 13, 2018)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org

1. Call to Order
   President Kwon called the meeting to order at 9:10 AM.

2. Roll Call
   Present: Kwon, Courtney, Caen, Vietor and Moran

   President Kwon thanked everyone for their attendance, read the summary of the budget hearing items, and turned the gavel over to the Budget Hearing Chair, Commissioner Caen.

3. Public Hearing and discussion of the Proposed FY 2018-19 and FY 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission

   A. Budget Overview
      GM Kelly provided introductory comments, thanked staff for their work, and presented the following:

      General Manager's Message: (1) Looking back: (prior biennial budget adoption during historic drought, budget rebalanced spending to avoid unplanned rate increase, and mid-cycle assessment with no recommended changes to second year of biennial budget); (2) Looking ahead; and (3) Budget highlights.

      GM Kelly responded to a question from Commissioner Moran as to how the SFPUC has built into the process an evaluation of change skill needs and functional requirements as retirements happen, and the need to fill vacant positions with the same or different skill sets. Commissioner Moran discussed the need to evaluate and possibly reshape vacant positions.

      Commissioner Vietor requested that during the Power budget presentation a summary of the Power Revenue Bonds be included. GM Kelly provided brief response.

      GM Kelly introduced Eric Sandler, CFO and Assistant General Manager (AGM) Business Services who presented on the following:

      Timeline and Commission Actions: (1) Budget timeline; (2) Budget and rates timeline; (3) Commission hearings review; (4) Requested Commission action (planning, budgeting and financing); and (5) Requested Commission action (rates and charges).

      Budget Development: (1) Prior budget development cycle (February 2016 adoption of two-year budget, key considerations at that time, and rebalanced budget around "drought continues); (2) External considerations (economic, regulatory, and political); (3) Policy Framework (2020 Strategic Plan Goals,

and Commission policies); and (4) Budget development (internal development process).

Budget Overview: (1) Budget highlights; (2) Wastewater Enterprise priorities; (3) Water Enterprise priorities; (4) Power Enterprise priorities; (5) Total uses of funds FY 2017-18 to 2019-20; (6) Budget changes summary, excluding and including CleanPowerSF; (7) Change in authorized positions; (8) Attrition adjustment; (9)Two-year Capital Budget request; and (10) 10-Year Capital Plan summary.

CFO Sandler responded to a question from Commissioner Vietor regarding climate resiliency strategy (imbedded) in the list of priorities.

CFO Sandler responded to questions regarding the 12% CleanPowerSF budget changes.

Vice President (VP) Courtney requested for a breakdown of positions by classification number and FTE. CFO Sandler noted the pending retirement wave and the need for knowledge transfer and the ability to recruit.

Brief discussion ensued on the 10-Year Capital Plan summary. In response to general questions, CFO Sandler indicated the AGM's will expand on details during their respective Enterprise/Bureau presentations.

10-Year Financial Plan Overview: (1) 10-Year Financial Plan highlights; (2) Key assumptions; (3) Water, Wastewater, Power, CleanPowerSF sales volumes (historical and projected); and (4) 10-Year Financial Plan proposed rate changes (Water, Wastewater, and Power).

No public comment.

The Commission recessed at 10:36 am and reconvened at 10:50 am.

B. Proposed Wastewater Enterprise (WWE) Budget, Capital and Financial Plans
   i. FY 2018-19 and FY 2019-20 Operating Budget
   ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
   iii. FY 2018-19 through FY 2027-28 Financial Plan

Brian Henderson, Acting AGM WWE, provided an overview of the Wastewater System (collection, conveyance, treatment, and discharge). He introduced his management staff. Mr. Henderson responded to a question from Commissioner Caen regarding vacant positions noted in the organizational chart.

Mr. Henderson reviewed the WWE's core business lines (WWE divisions and WWE essential activities). AGM Henderson showed performance

metrics; Oceanside innovation flow chart; and discussed associated savings in potable water use, energy use, and water content. He then reviewed the following:

WWE Accomplishments: (1) Awards and certifications; (2) Industry leadership; and (3) Academic collaboration.

Challenges: (1) Succession of experienced staff (64% of budget positions will need to be recruited and trained within five years); (2) Integrating new technology; (3) Green Infrastructure (GI) maintenance; (4) Aging infrastructure; and (5) Paving Program.

Priorities: (1) High performing organization and environmental stewardship; and (2) Modernizing the workforce.

AGM Henderson responded to a question from Commissioner Vietor regarding trainers for "train the trainers" program.

(3) GI maintenance areas: (redevelopment areas, streetscape collaboration, and SSIP Early Implementation projects). AGM Henderson noted the number of facilities within each area and reviewed the GI asset acceptance timeline; (4) GI preventative and corrective maintenance.

AGM Henderson responded to a question from Commissioner Vietor regarding how new technology functions will be budgeted (part of maintenance or separately budgeted).

Sarah Minick, WWE Utility Specialist, responded to a question from Commissioner Courtney regarding the "how" and "who" of the necessary maintenance work, and about the apprentice programs needed to complete the work. Commissioner Courtney expressed a desire to see the apprentice program curriculum. He requested the focus be on a public sector model vs. a private sector model. Discussion ensued.

VP Courtney requested for a breakdown of positions by classification and FTE. GM Kelly provided clarification on staffing needs versus vacancies.

(5) Operationalizing technology policy (economic, environmental, social and workforce development, and leadership and transparency).

Operating Budget Request: (1) Sources and uses of funds (FY 2018, FY2019, and FY2020); (2) FY-2019 and FY-2020 changes; (3) Total budget FY 2018, FY 2019, and FY 2020; and (4) Total authorized full-time positions.

GM Kelly responded to a question from Commissioner Vietor and VP Courtney regarding the GI maintenance positions and work that is performed, noting requirements under the Stormwater Ordinance and other mandates. Ms. Minick provided additional information regarding elements of the GI program and the "maintenance" work that is needed. Brief discussion ensued.

Commissioner Moran requested that clarification be provided on Chart Number 22 regarding GI maintenance.

In response to a question from Commissioner Moran, CFO Sandler indicated the positions noted on chart number 30 are ASO positions and are not budgeted FTE's. Commissioner Moran noted the need to be clear and transparent on the headcount. GM Kelly and CFO Sandler provided additional comments. Brief discussion ensued.

Kathy How, AGM Infrastructure, presented the WWE Capital Plan noting changes from the prior year plan (+$1.4M). She reviewed the 10-Year Capital Plan, which includes Phase I, but does not include Sewer System Improvement Plan (SSIP) Phases II and III. She indicated $494M remains in Phase II and $636M remains in Phase III. She stated the two-year budget request ties back to the quarterly SSIP reports.

AGM How responded to a question from Chair Caen regarding Treasure Island.

She outlined the Capital Plan summary and moved onto the Wastewater 10-Year Capital Plan SSIP (Phases I, II, and III); and non-SSIP (Renewal and Replacement, Treasure Island, and Wastewater facilities and infrastructure). She discussed requests made for SSIP Phases I (overall increase of $68M to Phase I budget for treatment facilities; includes $60M for Headworks Project). Phases II and III have no overall increases, but anticipates planning and project design efforts for limited number of Phase II projects in FY19. Earliest start of Phase III projects will be in FY25 (Southeast Plant focus).

CFO Sandler responded to a question from Commissioner Moran regarding Capital Plan adjustments and any effect rate increases. CFO Sandler and GM Kelly provided additional response. AGM How offered renderings of the Westside and Mariposa Pump Stations.

Ms. How reviewed the 10-Year Capital Plan for the SSIP Stormwater Management/Flood Control (includes GI): Phase I (Early Implementation Projects, Stormwater Management, and Wawona Stormwater Detention); Phase II (projects and grants); and Phase III (projects and grants), totaling $325.4M. AGM How and GM Kelly responded to questions from

Commissioner Vietor and VP Courtney regarding GI, grant funding, and work performed. Discussion ensued.

AGM How outlined 10-Year Capital Plan for Non-SSIP: (1) Renewal and Replacement (reduction in Spot Sewer Repair beginning in FY22; (2) Increase to Treatment Plant improvements); (3) Treasure Island New Treatment Facility (no change in request); and (4) Wastewater facilities and infrastructure (Ocean Beach protection of WWE conveyance facilities, New Southeast Community Center (1550 Evans), Southeast Outfall and Southwest Ocean Outfall Condition assessment and rehabilitation, and Islas Creek Crossing).

No public comment.

The Commission recessed at 12:09 pm and reconvened at 12:35 pm.

CFO Sandler presented:

10-Year Financial Plan: Key Assumptions: (1) Conforms with Commission-approved policies; (2) FYE 19/20 proposed Operating Budgets are incorporated; (3) Minimal increase in billed volumes projected as water usage increases slightly from drought; and (4) FYE 19/20 proposed Capital Budget and 10-Year Capital Plan updates are incorporated. CFO Sandler reviewed Sewer Volume Sales (FYE 2011-20) and major takeaways.

WWE Projections: (1) Sources (sewer charges, interest income, federal bond interest subsidy, and other miscellaneous income); and (2) Uses (operations and maintenance, debt service, and revenue-funded projects). He discussed net revenue, fund balance, net revenue, ending fund balance, and retail rate increase for FYE18-28.

Mr. Sandler reviewed: (1) Combined Water and Wastewater retail rates and charges (actual and projected); (2) Combined Water and Wastewater average single family monthly bill (actual and projected); and (3) Utility affordability (cost as a percent of median household income).

Staff did not present on the Water Enterprise Budget, Capital and Financial Plans. The item will was continued to the January 25, 2018 meeting.

C. Proposed Water Enterprise Budget, Capital and Financial Plans
   i. FY 2018-19 and FY 2019-20 Operating Budget
   ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
   iii. FY 2018-19 through FY 2027-28 Financial Plan

4. Motion to continue meeting to a Special Meeting noticed for January 25, 2018:
   On motion to continue the meeting to a Special Meeting noticed for January 25:
   Ayes: Kwon, Courtney, Caen, Vietor and Moran

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
President of the Board of Supervisors
and
Acting Mayor

AGENDA
Tuesday, January 23, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 71-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.0761. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ" าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of January 9, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Agreement Update
   e) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Bay Area Water Supply and Conservation Agency Report (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

9. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

   a) Approve the plans and specifications, and award **Contract No. WW-637**, Various Locations Sewer Replacement and Pavement Renovation No. 5, in the amount of $4,107,083, and with a duration of 526 consecutive calendar days (approximately one year, five months), to the lowest, qualified,

180010

responsible and responsive bidder, Shaw Pipeline, Inc., to replace the existing sewers and street pavement on specified streets in the Visitacion and Sunnydale neighborhoods of San Francisco. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act (CEQA), pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

REGULAR SESSION

10. Public Hearing: Approve revised **SuperGreen rate premiums for the CleanPowerSF program and proposed modifications to CleanPowerSF's Net Energy Metering Tariff**, to be effective March 1, 2018 to: (1) Reduce CleanPowerSF's SuperGreen premium to $0.015 per kilowatt-hour (kWh) for residential customers and $0.010 per kWh for commercial customers; and (2) Modify the existing CleanPowerSF Net Energy Metering Tariff to: (a) eliminate the current two-tier Net Surplus Compensation (NSC) Rate in favor of a single NSC Rate and discontinue the requirement that customers transfer rights to the Renewable Energy Credits produced to the program; (b) set credit rollover as the default compensation method for NSC, with a check payment available by request; and (c) clarify that true-ups for NSC determination will only be conducted for customers who have completed at least 10 billing cycles in the program. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Hale)

180011

11. Approve the form of a **Credit Agreement and associated Fee Agreement** with JP Morgan Chase Bank with a not-to-exceed commitment amount of $150,000,000 and term of up to six years to provide credit support of the CleanPowerSF Program; and authorize the General Manager to negotiate final terms and execute the Credit Agreement and associated Fee Agreement, subject to Board of Supervisors approval of the ordinance in Board of Supervisors File No. 171172. (Sandler)

180012

12. Approve the plans and specifications and award **Contract No. WD-2838**, Sunol Valley Water Treatment Plant Powdered Activated Carbon System, for an amount not-to-exceed $5,965,300, and with a duration of 386 consecutive calendar days, to Anvil Builders Inc., to construct a powdered activated carbon facility to reduce taste and odors in the regional drinking water system for water coming from Sunol Valley Water Treatment Plant; and authorize the General Manager to negotiate and execute a contract for an amount not-to-exceed $5,965,300 with the sole qualified, responsible, and responsive bidder, Anvil Builders Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2). This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180013

13. Discussion and possible action to authorize the General Manager to consent, on behalf of the SFPUC, to the **Development Agreement** between the City and County of San Francisco and Seawall Lot 337 Associates, LLC, as it relates to matters under the SFPUC's jurisdiction; Consent to the Mission Rock

180014

(Seawall Lot 337 and Pier 48) Project Interagency Cooperation Agreement; and Adopt findings, pursuant to the CEQA, and a Mitigation and Monitoring and Reporting Program. (Carlin)

14. Public Comment on matters to be discussed during Closed Session.

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

The Commission will go into Closed Session to discuss the following items:

CLOSED SESSION

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (4) and San Francisco Administrative Code Section 67.10 (d) (discussion only) (Knapp)

Anticipated Litigation: _____ as defendant _____1_____ as Plaintiff

17. Threat to Public Services or Facilities – Pursuant to California Government Code Section 54957 and San Francisco Administrative Code Section 67.10 (a) (discussion only) (Carlin)

Following Closed Session, the Commission will reconvene in Open Session

18. Announcement following Closed Session.

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12(a).

20. Other New Business. (discussion only)

21. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
President of the Board of Supervisors
and
Acting Mayor

Minutes
Tuesday, January 23, 2018
(Approved February 13, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:35 PM.

2. Roll Call
   Present: Kwon, Courtney, Vietor and Moran
   Commissioner Caen arrived at 1:37 PM.

3. Approval of the Minutes of January 9, 2018
   On Motion to approve the Minutes of January 9, 2018:
   Ayes: Kwon, Courtney, Vietor and Moran

   No public comment.

   Commissioner Caen arrived at 1:37 PM.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Agreement Update
   e) Water Supply Conditions Update
      Steve Ritchie, Assistant General Manager (AGM) Water, responded to a question from Commissioner Caen regarding the low level of Cherry Reservoir.

      No public comment.

6. Other Commission Business
   Commissioner Vietor requested that the Green Infrastructure meeting she requested at the January 18th budget hearing be scheduled prior to the February 13th budget hearing.

7. Report of the General Manager (GM)
   a) CleanPowerSF (CPSF) Update
   b) *Barbara Hale, AGM Power, provided a CPSF update: (1) Enrollment: No changes since last report with 80,500 customer sites; 3.2% opt-out rate; 4.1% SuperGreen upgrade. Next small enrollment in April 2018; Waitlist closed; July big enrollment proceeding, which includes contracting for growth. AGM Hale informed the Commission of action items that will be presented to the Commission for consideration at the February 13th meeting. She updated the Commission on the Board of Supervisor's Ordinance regarding supply contract authorization; (2) Legislative: Staff will be at the State Capitol for CCA lobbying days; and (3) Regulatory: PICA (exit fee) efforts continue and staff is preparing for California PUC (CPUC) hearings. AGM Hale reported on the CPUC's Resolution on Resource Adequacy. She stated staff is following PGE's revisions to their Solar Choice and Green Tariff Programs.*

GM Kelly responded to a question from Commissioner Vietor regarding the CPSF customer base demographics, specifically with regard to bigger developments such as Mission Rock, and any opportunities to capture them as CPSF customers. GM Kelly provided additional clarification regarding who qualifies as a CPSF customer or a Hetchy customer.

Vice President (VP) Courtney requested a map showing the CPSF customer base. GM Kelly indicated that a map showing all customer-types (retail, municipal, CPSF, Hetchy, etc.) will be provided.

No public comment.

c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

8. Bay Area Water Supply and Conservation Agency (BAWSCA) Report
Nicole Sandkulla, CEO, BAWSCA, provided a BAWSCA update. She presented a graph showing that BAWSCA's November 2017 total potable water use was 17% less than in November 2013. She discussed minimum purchase requirements that four agencies need to meet. Ms. Sandkulla responded to a question from Commissioner Caen as to which four agencies needed to meet the minimum purchase requirements.

9. Consent Calendar
a) Approve the plans and specifications, and award Contract No. WW-637, Various Locations Sewer Replacement and Pavement Renovation No. 5, in the amount of $4,107,083, and with a duration of 526 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Shaw Pipeline, Inc., to replace the existing sewers and street pavement on specified streets in the Visitacion and Sunnydale neighborhoods of San Francisco. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act (CEQA), pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0010)

On Motion to approve the Consent Calendar:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

10. Public Hearing: Approve revised SuperGreen rate premiums for the CleanPowerSF (CPSF) program and proposed modifications to CleanPowerSF's Net Energy Metering Tariff, to be effective March 1, 2018 to: 1) Reduce CleanPowerSF's SuperGreen premium to $0.015 per kilowatt-hour (kWh) for residential customers and $0.010 per kWh for commercial customers; and (2) Modify the existing CleanPowerSF Net Energy Metering Tariff to: (a) eliminate the current two-tier Net Surplus Compensation (NSC) Rate in favor of a single NSC Rate and discontinue the requirement that customers transfer

rights to the Renewable Energy Credits produced to the program; (b) set credit rollover as the default compensation method for NSC, with a check payment available by request; and (c) clarify that true-ups for NSC determination will only be conducted for customers who have completed at least 10 billing cycles in the program. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0011)
AGM Hale introduced the item, noting the changes will be effective March 1, 2018, and will include programmatic (net energy metering) and rate changes (reduce SuperGreen rate premium).

AGM Hale reviewed the rate proposal objectives (lower CPSF rate premium to remain competitive with comparable PG&E Solar Choice rates; and changes to Net Metering Program to streamline and simplify the program and process). She continued outlining the proposed Net Energy Metering Program changes: (1) Simplify the program and offer a single Net Surplus Compensation (NSC) rate; (2) Provide NCS as a bill credit by default; and (3) Roll-over credit balances for new customers with less than 10 months in the CPSF NEM Program.

Mr. Charles Perl, Deputy CFO, reviewed the proposed rate action: (1) SuperGreen Premium (reduce residential and commercial premiums effective March 1, 2018); and (2) Net Energy Metering (offer one NCS rate; provide NCS as a bill credit by default; and roll-over credit balances for customers in program less than 10 months). He indicated the rate changes have been presented to the Rate Fairness Board who was comfortable with the proposal.

Mr. Perl responded to a question from Commissioner Caen regarding how the 27% reduction in revenues will be absorbed, indicating there are sufficient reserves. Commissioner Caen expressed concern with a possible spiral to keep rates competitive with PG&E. GM Kelly and AGM Hale provided additional response to Commissioner Caen's concern. Brief discussion ensued.

AGM Hale provided responded to a request from Commissioner Caen to provide comment on how other CCA's are dealing with rates and PG&E.

On Motion to approve Item 10:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Public Comment

- *Jed Holtzman, 350 Bay Area expressed support for the item; commented on Commissioner Caen's concerns; expressed appreciation for staff legislative efforts; and advocated for local build-out.*

11. Approve the form of a Credit Agreement and associated Fee Agreement with JP Morgan Chase Bank with a not-to-exceed commitment amount of $150,000,000 and term of up to six years to provide credit support of the CleanPowerSF Program; and authorize the General Manager to negotiate final terms and execute the Credit Agreement and associated Fee Agreement,

subject to Board of Supervisors approval of the ordinance in Board of Supervisors File No. 171172. (Resolution 18-0012)

Eric Sandler, CFO and AGM Business Services, presented the item: (1) Initial Launch Financial Strategy: (establish CPSF a separate fund within the Power Enterprise; pre-Launch, no banks offered credit to CPSF without a back-up pledge; and Power Enterprise provided discrete financial support for CPSF launch); (2) Growth Phase Financial Strategy: (support citywide expansion of CPSF with a comprehensive credit facility; develop CPSF as independent credit; issued second RFP for credit facilities to support expansion; and credit without back-up pledge of Power Enterprise; (3) Proposed Credit Agreement: (amount not-to-exceed $150M total credit with a maximum of five years; credit capacity can be used for multiple purposes; re-pay solely from CPSF net revenues; and cost depends on particular use and debt service coverage ratio of CPSF); (4) Key Covenants: (rate setting; debt service coverage, and accumulation of cash reserves); (5) Rate-Setting and Debt Service Coverage: (agreement provides a scale of debt service coverage ratios); (6) Accumulation of Cash Reserves: (agreement builds on CPSF business practice policies; CPSF must deposit at least 80% of excess revenues into the operating and rate stabilization reserves until their target levels have been reached; and accumulated cash is tested against targets); (7) Risk and Mitigation: (CPSF is exposed to business, market and regulator risk; and sensitivity analyses demonstrated ability to meet targets using less optimistic assumptions); (8) What if CPSF Doesn't Meet Financial Targets: (trigger events; meet and confer with JP Morgan to discuss resetting targets; drawn amounts may become immediately due and payable; and in all instances the credit facility is "non-recourse); and (9) Forms of Disclosure: (credit and fee agreements).

AGM Sandler concluded and requested Commission approval.

AGM Sandler responded to a question from Commissioner Vietor as to whether there is any correlation between the proposed agenda item and the proposed Power Bond Charter Amendment. GM Kelly and AGM Hale provided additional response. Brief discussion ensued.

CFO Sandler responded to questions from Commissioner Caen regarding the agreement terms (debt service ratio); the line-of-credit fees and debt service coverage; and repayment CPSF repayment loan to the Power Enterprise.

CFO Sandler responded to a question from President Kwon regarding the trigger and the estimated timeline for CPSF to have its own line of credit.

On Motion to approve Item 11:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Public Comment

Jed Holtzman, 350 Bay Area, thanked staff for their work. He expressed support for CPSF having its own credit rating, and discussed the cash covenant's impact on local build-out.

12. Approve the plans and specifications and award Contract No. WD-2838, Sunol Valley Water Treatment Plant Powdered Activated Carbon System, for an amount not-to-exceed $5,965,300, and with a duration of 386 consecutive calendar days, to Anvil Builders Inc., to construct a powdered activated carbon facility to reduce taste and odors in the regional drinking water system for water coming from Sunol Valley Water Treatment Plant; and authorize the General Manager to negotiate and execute a contract for an amount not-to-exceed $5,965,300 with the sole qualified, responsible, and responsive bidder, Anvil Builders Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2). This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0013)
Kathy How, AGM Infrastructure, provided information as to why there was only one bid received and discussed the need to approve the item due to the critical nature of the work to be performed.

AGM How responded to a question from Commissioner Caen regarding the difference between the engineer's estimate and the bid amount.

On Motion to approve Item 12:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Public Comment
No public comment.

13. Discussion and possible action to authorize the General Manager to consent, on behalf of the SFPUC, to the Development Agreement between the City and County of San Francisco and Seawall Lot 337 Associates, LLC, as it relates to matters under the SFPUC's jurisdiction; Consent to the Mission Rock (Seawall Lot 337 and Pier 48) Project Interagency Cooperation Agreement; and Adopt findings, pursuant to the CEQA, and a Mitigation and Monitoring and Reporting Program. (Resolution 18-0014)
Michael Carlin, Deputy General Manager, introduced the item and requested approval.

On Motion to approve Item 13:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Public Comment
No public comment.

The Commission Secretary read Closed Session item 16. Item 17 not heard.

14. Public Comment on matters to be discussed during Closed Session.
None.

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

On Motion to assert:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

The Commission entered Closed Session at 2:48 PM.

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (4) and San Francisco Administrative Code Section 67.10 (d)
Anticipated Litigation: _____ as defendant ____1____ as Plaintiff

17. Threat to Public Services or Facilities – Pursuant to California Government Code Section 54957 and San Francisco Administrative Code Section 67.10 (a)

The Commission exited Closed Session at 2:54 PM.

18. Announcement following Closed Session.
None.

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12(a).

On Motion not to disclose:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

20. Other New Business
Commissioner Caen noted that the display screens are not working properly.

Commissioner Courtney requested that a "Save the Date" for the Golden Pride Recognition Event be sent in electronic and print forms.

21. Adjournment
President Kwon adjourned the meeting at 2:56 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0010**

WHEREAS, Wastewater Enterprise (WWE) Renewal and Replacement (R&R) Program and Public Works (PW) Street Resurfacing Program-funded Contract No. WW-637, Various Locations Sewer Replacement and Pavement Renovation No. 5, was advertised on October 24, 2017; and

WHEREAS, The Engineer's Estimate is $4,375,367.98 for this construction contract work to replace existing sewers and street pavement at various locations in the City and County of San Francisco; and

WHEREAS, The contract duration is 526 consecutive calendar days; and

WHEREAS, Seven (7) bids were received and opened publicly on November 30, 2017; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Shaw Pipelines, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) participation of 20% for this contract, and the contractor committed to a LBE participation of 20.04% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Wastewater Enterprise Project No. 10015677, Various Locations Sewer Replacement and Pavement Renovation No. 5 in the amount of 3,838,791, and from San Francisco Public Works in the amount of $269,292; and

WHEREAS, The Planning Department determined that this project is statutorily exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 15282(k); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Wastewater Enterprise, Renewal & Replacement Program and Public Works Street Resurfacing Program funded-Contract No. WW-637, Various Locations Sewer Replacement and Pavement Renovation No. 5, in the amount of $4,107,083, and with a duration of 526 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Shaw Pipelines, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 23, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0011**

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program called CleanPowerSF through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, The complementary objectives of CleanPowerSF are to reduce greenhouse gas emissions and provide the City's energy consumers with renewable electricity supplies all the while remaining cost competitive with Pacific Gas and Electric Company's (PG&E) products, including, if approved after environmental review, the build-out of local energy resources such as energy efficiency and renewable power projects; and

WHEREAS, The SFPUC intends that CleanPowerSF retail rates be adequate to support program operations, future projects, and a financially independent program, taking into consideration program goals; and

WHEREAS, The Commission adopted a Net Energy Metering (NEM) Tariff (Schedule NEM-CleanPowerSF) for the CleanPowerSF program, which was designed around the following objectives: (1) encourage existing CleanPowerSF customers to install solar generation equipment; (2) encourage existing NEM customers of PG&E to join CleanPowerSF; (3) remain fair to non-participating CleanPowerSF ratepayers; and (4) to provide a simple and clear NEM program; and

WHEREAS, The premium for the CleanPowerSF 100% renewable "SuperGreen" product are proposed to be reduced to $0.015/kWh above "Green" product rates for residential customers and at $0.010/kWh above the "Green" product rates for commercial customers; and

WHEREAS, Revisions in CleanPowerSF's "SuperGreen" rates are desirable in order to maintain competitive rates due to changes in comparable PG&E rates; and

WHEREAS, PG&E's rates are authorized by the California Public Utilities Commission (CPUC); and

WHEREAS, In anticipation of the enrollment of an additional 5,600 existing NEM customers in the CleanPowerSF program over the next 12-18 months, staff proposes modifications to the CleanPowerSF NEM program and the NEM-CleanPowerSF schedule to streamline program administration and improve customer retention in the program

WHEREAS, Staff's proposals would modify the existing Schedule NEM-CleanPowerSF to (1) eliminate the current two-tier Net Surplus Compensation (NSC) Rate in favor of a single NSC Rate and discontinue the requirement that customers transfer rights to the Renewable Energy Credits produced to the program; (2) set credit rollover as the default compensation method for NSC, with a check payment available to eligible customers upon request and completion of vendor registration; and (3) clarify that true-ups for NSC determination will only be conducted on customers who have completed at least 10 billing cycles in the program; and

WHEREAS, Pursuant to Charter Section 16.112, a Notice of hearing on the proposal to adopt a schedule of rates was published in the official newspaper on January 8, 2018 through January 12, 2018, and posted on the SFPUC website and at the San Francisco Public Library, as required, for a public hearing on January 23, 2018; and

WHEREAS, Charter section 8B.125 requires the Commission to set rates and charges, subject to rejection by the Board of Supervisors, within 30 days of submission; and

WHEREAS, This rate setting action is statutorily exempt from the California Environmental Quality Act (CEQA) under Public Resources Code Section 21080(b)(8) and CEQA Guidelines Section 15283 (Rates, Tolls, Fares, and Charges); now, therefore be it

RESOLVED, This Commission hereby sets the SuperGreen product rates and charges as presented in Exhibit 1: Schedule of CleanPowerSF Electric Rates and Charges effective March 1, 2018, and these rates will be in effect until replaced or revised; and be it

FURTHER RESOLVED, This Commission hereby sets the SuperGreen product rate premiums as presented in Exhibit 1: Changes to Schedule of CleanPowerSF Electric Rates and Charges effective March 1, 2018, and these rates will be in effect until replaced or revised; and be it

FURTHER RESOLVED, That the Commission directs the General Manager to implement the changes to the NEM-CleanPowerSF schedule as presented in Exhibit 2; and be it

FURTHER RESOLVED, That all other necessary rate adjustments will be conducted consistent with the process established by Charter Section 8B.125; and be it

FURTHER RESOLVED, This Commission hereby finds that adoption of this resolution will establish rates for the purpose of meeting operating expenses, including the recovery of program reserves and allow for CleanPowerSF to be financially stable, and that adoption of the resolution is exempt from environmental review requirements in accordance with California Public Resource Code Section 21080(b)(8); and be it

FURTHER RESOLVED, This Commission directs the General Manager to submit these rates and charges to the Board of Supervisors, as required by Charter Section 8B.125.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

EXHIBIT 1: Changes to Schedule of CleanPowerSF Electric Rates and Charges

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	SuperGreen Rate ($) (Effective as of 7/1/17)	SuperGreen Rate ($) (Proposed for 3/1/18)	Billing Determinant
Non-Time of Use Residential (E-1)	E1, E1L, EM, EML, ES, ESL, ESR, ESRL, ET, and ETL	Year round	All hours	0.08836	0.08336	kWh
Residential Time of Use (1) (E-6)	E-6	Summer	Peak	0.20640	0.20140	kWh
			Part Peak	0.10379	0.09879	kWh
			Off Peak	0.06190	0.05690	kWh
		Winter	Part Peak	0.08515	0.08015	kWh
			Off Peak	0.07364	0.06864	kWh
Residential Time of Use A (E-TOU A)	E-TOU A	Summer	Peak	0.17209	0.16709	kWh
			Off Peak	0.09670	0.09170	kWh
		Winter	Peak	0.08497	0.07997	kWh
			Off Peak	0.07071	0.06571	kWh
Residential Time of Use B (E-TOU B)	E-TOU B	Summer	Peak	0.19414	0.18914	kWh
			Off Peak	0.09134	0.08634	kWh
		Winter	Peak	0.08757	0.08257	kWh
			Off Peak	0.06881	0.06381	kWh
Experimental Residential Time-of-Use for Electric Vehicles (E-9A and E-9B)	E-9A and E-9B	Summer	Peak	0.19616	0.19116	kWh
			Part Peak	0.09293	0.08793	kWh
			Off Peak	0.05104	0.04604	kWh
		Winter	Part Peak	0.07327	0.06827	kWh
			Off Peak	0.05799	0.05299	kWh
Electric Vehicle Time-of-Use Service (EV)	EVA, EVB	Summer	Peak	0.22057	0.21557	kWh
			Part Peak	0.10123	0.09623	kWh
			Off Peak	0.04602	0.04102	kWh
		Winter	Peak	0.07630	0.07130	kWh
			Part Peak	0.04401	0.03901	kWh
			Off Peak	0.04801	0.04301	kWh
Residential Multi Meter Standby	EM, S	Year round	Reservation Charge	0.39	0.39	kW
			All hours	0.08836	0.08336	kWh
Small General Service (A-1)	A-1 A	Summer	All hours	0.10625	0.10225	kWh
		Winter	All hours	0.07040	0.06640	kWh
Small General Service (A-1TOU)	A-1 B	Summer	Peak	0.12189	0.11789	kWh
			Part Peak	0.09830	0.09430	kWh
			Off Peak	0.07101	0.06701	kWh
		Winter	Part Peak	0.09810	0.09410	kWh
			Off Peak	0.07724	0.07324	kWh
Small General Time-of-Use Service (A-6)	A-6	Summer	Peak	0.35531	0.35131	kWh
			Part Peak	0.11633	0.11233	kWh
			Off Peak	0.05818	0.05418	kWh
		Winter	Part Peak	0.08358	0.07958	kWh
			Off Peak	0.06613	0.06213	kWh
Direct-Current General Service (A-15)	A-15	Summer	All hours	0.10625	0.10225	kWh
		Winter	All hours	0.07040	0.06640	kWh
Medium General Demand Non-Time of Use - Secondary Voltage (A-10AS)	A-10 A	Summer	All hours	0.09545	0.09145	kWh
		Winter	All hours	0.07114	0.06714	kWh
		Summer	Demand	4.88	4.88	kW
Med. General Demand Non-Time of Use - Primary Voltage (A-10AP)		Summer	All hours	0.08719	0.08319	kWh
		Winter	All hours	0.06597	0.06197	kWh
		Summer	Demand	4.27	4.27	kW
Med. General Demand Non-Time of Use - Transmission (A-10AT)		Summer	All hours	0.07857	0.07457	kWh
		Winter	All hours	0.06008	0.05608	kWh
		Summer	Demand	3.36	3.36	kW

EXHIBIT 1: Schedule of CleanPowerSF Electric Rates and Charges

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	Green Rate ($) (Effective 7/1/17)	SuperGreen Rate ($) (Effective as of 7/1/17)	SuperGreen Rate ($) (Proposed for 3/1/18)	Billing Determinant
Medium General Demand Time of Use - Secondary Voltage (A-10BS)	A-10 B	Summer	Peak	0.13611	0.15011	0.14611	kWh
			Part Peak	0.08112	0.09512	0.09112	kWh
			Off Peak	0.05312	0.06712	0.06312	kWh
		Winter	Part Peak	0.06521	0.07921	0.07521	kWh
			Off Peak	0.04819	0.06219	0.05819	kWh
		Summer	Demand	4.88	4.88	4.88	kW
Medium General Demand Time of Use - Primary Voltage (A-10BP)		Summer	Peak	0.12586	0.13986	0.13586	kWh
			Part Peak	0.07542	0.08942	0.08542	kWh
			Off Peak	0.04886	0.06286	0.05886	kWh
		Winter	Part Peak	0.06176	0.07576	0.07176	kWh
			Off Peak	0.04592	0.05992	0.05592	kWh
		Summer	Demand	4.27	4.27	4.27	kW
Medium General Demand Time of Use - Transmission (A-10BT)		Summer	Peak	0.11377	0.12777	0.12377	kWh
			Part Peak	0.06700	0.08100	0.07700	kWh
			Off Peak	0.04177	0.05577	0.05177	kWh
		Winter	Part Peak	0.05524	0.06924	0.06524	kWh
			Off Peak	0.04071	0.05471	0.05071	kWh
		Summer	Demand	3.36	3.36	3.36	kW
Medium General Demand Time of Use - Secondary (E-19S)	E-19	Summer	Peak	0.10568	0.11968	0.11568	kWh
			Part Peak	0.06527	0.07927	0.07527	kWh
			Off Peak	0.03851	0.05251	0.04851	kWh
			Peak Demand	12.60	12.60	12.60	kW
			Part Peak Demand	3.11	3.11	3.11	kW
		Winter	Part Peak	0.05974	0.07374	0.06974	kWh
			Off Peak	0.04516	0.05916	0.05516	kWh
Medium General Demand Time of Use - Primary (E-19P)		Summer	Peak	0.09656	0.11056	0.10656	kWh
			Part Peak	0.05828	0.07228	0.06828	kWh
			Off Peak	0.03367	0.04767	0.04367	kWh
			Peak Demand	11.26	11.26	11.26	kW
			Part Peak Demand	2.74	2.74	2.74	kW
		Winter	Part Peak	0.05311	0.06711	0.06311	kWh
			Off Peak	0.03974	0.05374	0.04974	kWh
Medium General Demand Time of Use - Transmission (E-19T)		Summer	Peak	0.06059	0.07459	0.07059	kWh
			Part Peak	0.04801	0.06201	0.05801	kWh
			Off Peak	0.03138	0.04538	0.04138	kWh
			Peak Demand	12.39	12.39	12.39	kW
			Part Peak Demand	3.10	3.10	3.10	kW
		Winter	Part Peak	0.05000	0.06400	0.06000	kWh
			Off Peak	0.03722	0.05122	0.04722	kWh
Service to Max Demands >1,000 kW Time of Use - Secondary Voltage (E-20S)	E-20	Summer	Peak	0.09768	0.11168	0.10768	kWh
			Part Peak	0.06092	0.07492	0.07092	kWh
			Off Peak	0.03568	0.04968	0.04568	kWh
			Peak Demand	12.21	12.21	12.21	kW
			Part Peak Demand	3.01	3.01	3.01	kW
		Winter	Part Peak	0.05558	0.06958	0.06558	kWh
			Off Peak	0.04191	0.05591	0.05191	kWh
Service to Max Demands >1,000 kW Time of Use - Primary Voltage (E-20P)		Summer	Peak	0.10163	0.11563	0.11163	kWh
			Part Peak	0.06111	0.07511	0.07111	kWh
			Off Peak	0.03620	0.05020	0.04620	kWh
			Peak Demand	13.41	13.41	13.41	kW
			Part Peak Demand	3.17	3.17	3.17	kW
		Winter	Part Peak	0.05578	0.06978	0.06578	kWh
			Off Peak	0.04232	0.05632	0.05232	kWh
Service to Max Demands >1,000 kW Time of Use - Transmission (E-20T)		Summer	Peak	0.06193	0.07593	0.07193	kWh
			Part Peak	0.04973	0.06373	0.05973	kWh
			Off Peak	0.03358	0.04758	0.04358	kWh
			Peak Demand	15.85	15.85	15.85	kW
			Part Peak Demand	3.78	3.78	3.78	kW
		Winter	Part Peak	0.05164	0.06564	0.06164	kWh
			Off Peak	0.03924	0.05324	0.04924	kWh
Customer-Owned Street and Highway Lighting Customer-Owned Street and Highway Lighting Electrolier Meter Rate Outdoor Area Lighting Services (LS-1)	LS-2, LS-3, OL-1	Year round	All hours	0.07489	0.08889	0.08489	kWh
Traffic Control Service (TC-1)	TC-1	Year round	All hours	0.06393	0.07793	0.07393	kWh

EXHIBIT 1: Schedule of CleanPowerSF Electric Rates and Charges

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	Green Rate ($) (Effective 7/1/17)	SuperGreen Rate ($) (Effective as of 7/1/17)	SuperGreen Rate ($) (Proposed for 3/1/18)	Billing Determinant
Agricultural Power (AG-1)	AG-1 A	Summer	All hours	0.07721	0.09121	0.08721	kWh
			Connected Load	1.36	1.36	1.36	kW
		Winter	All hours	0.05760	0.07160	0.06760	kWh
	AG-1 B	Summer	All hours	0.08016	0.09416	0.09016	kWh
			Max Demand	2.03	2.03	2.03	kW
			Primary Voltage Disc.	0.76	0.76	0.76	kW
		Winter	All hours	0.05767	0.07167	0.06767	kWh
Agricultural Power, Time-of-Use (AG-4)	AG-4 A, AG-4 D	Summer	Peak	0.13666	0.15066	0.14666	kWh
			Off Peak	0.04658	0.06058	0.05658	kWh
			Connected Load	1.35	1.35	1.35	kW
		Winter	Part Peak	0.05067	0.06467	0.06067	kWh
			Off Peak	0.03994	0.05394	0.04994	kWh
	AG-4 B, AG-4 E	Summer	Peak	0.09955	0.11355	0.10955	kWh
			Off Peak	0.04860	0.06260	0.05860	kWh
			Max Demand	2.38	2.38	2.38	kW
			Max Peak Demand	2.53	2.53	2.53	kW
			Primary Voltage Disc. (per Max Demand)	0.59	0.59	0.59	kW
		Winter	Part Peak	0.04685	0.06085	0.05685	kWh
			Off Peak	0.03660	0.05060	0.04660	kWh
	AG-4 C, AG-4 F	Summer	Peak	0.11712	0.13112	0.12712	kWh
			Part Peak	0.05682	0.07082	0.06682	kWh
			Off Peak	0.03491	0.04891	0.04491	kWh
			Max Peak Demand	5.84	5.84	5.84	kW
			Max Part Peak Demand	1.00	1.00	1.00	kW
			Primary Voltage Disc. (per Max Peak Demand)	1.01	1.01	1.01	kW
			Trans. Volt. Disc. Max Peak Demand	1.86	1.86	1.86	kW
			Trans. Volt. Disc. Max Part-Peak Demand	(0.02)	(0.02)	(0.02)	kW
		Winter	Part Peak	0.04113	0.05513	0.05113	kWh
			Off Peak	0.03172	0.04572	0.04172	kWh
Large Time-of-Use Agricultural Power (AG-5)	AG-5 A, AG-5 D	Summer	Peak	0.12650	0.14050	0.13650	kWh
			Off Peak	0.05149	0.06549	0.06149	kWh
			Connected Load	3.69	3.69	3.69	kW
		Winter	Part Peak	0.05496	0.06896	0.06496	kWh
			Off Peak	0.04366	0.05766	0.05366	kWh
	AG-5 B, AG-5 E	Summer	Peak	0.12305	0.13705	0.13305	kWh
			Off Peak	0.02686	0.04086	0.03686	kWh
			Max Demand	4.44	4.44	4.44	kW
			Max Peak Demand	5.56	5.56	5.56	kW
			Primary Voltage Disc. (per Max Demand)	1.39	1.39	1.39	kW
			Trans. Volt. Disc. Max Demand	2.42	2.42	2.42	kW
		Winter	Part Peak	0.04691	0.06091	0.05691	kWh
			Off Peak	0.01857	0.03257	0.02857	kWh
	AG-5 C, AG-5 F	Summer	Peak	0.09760	0.11160	0.10760	kWh
			Part Peak	0.04712	0.06112	0.05712	kWh
			Off Peak	0.02832	0.04232	0.03832	kWh
			Max Peak Demand	10.25	10.25	10.25	kW
			Max Part Peak Demand	1.93	1.93	1.93	kW
			Primary Voltage Disc. (per Max Peak Demand)	2.10	2.10	2.10	kW
			Trans. Volt. Disc. Max Peak Demand	3.95	3.95	3.95	kW
			Trans. Volt. Disc. Max Part-Peak Demand	0.00	0.00	0.00	kW
		Winter	Part Peak	0.03396	0.04796	0.04396	kWh
			Off Peak	0.02541	0.03941	0.03541	kWh
Standby Service - Secondary and Primary Voltage	S	Year round	Reservation Charge	0.39	0.39	0.39	kW
		Summer	Peak	0.08900	0.10300	0.09900	kWh
			Part Peak	0.07317	0.08717	0.08317	kWh
			Off Peak	0.05246	0.06646	0.06246	kWh
		Winter	Part Peak	0.07569	0.08969	0.08569	kWh
			Off Peak	0.05965	0.07365	0.06965	kWh
Standby Service - Transmission Voltage		Year round	Reservation Charge	0.32	0.32	0.32	kW
		Summer	Peak	0.07301	0.08701	0.08301	kWh
			Part Peak	0.05986	0.07386	0.06986	kWh
			Off Peak	0.04248	0.05648	0.05248	kWh
		Winter	Part Peak	0.06193	0.07593	0.07193	kWh
			Off Peak	0.04858	0.06258	0.05858	kWh
NEM-CleanPowerSF Net Surplus Compensation Rates	NEM-CleanPowerSF	N/A	All hours	0.06930	0.08930	0.08930	kWh

Exhibit 2: Changes to CleanPowerSF Net Energy Metering Tariff

CLEANPOWERSF
ELECTRIC SCHEDULE NEM-CLEANPOWERSF
NET ENERGY METERING

I. APPLICABILITY

A. This Schedule Net Energy Metering (NEM-CleanPowerSF) is applicable to enrolled CleanPowerSF customers who use a Renewable Electrical Generation Facility.

B. To be eligible, the CleanPowerSF customer must satisfy the requirements of Pacific Gas and Electric Company's (PG&E) Electric Schedule NEM or NEM2[1], must take service on a PG&E NEM Tariff Schedule, and install a Renewable Electrical Generation Facility.

C. This Schedule is available upon request, on a first-come, first-served basis to eligible CleanPowerSF customers that provide PG&E with a completed PG&E NEM Application and comply with all PG&E NEM requirements as described in the following PG&E Electric Schedules: NEMV or NEM2V (Virtual Net Energy Metering), NEMVMASH or NEM2VMSH (Virtual Net Energy Metering for Multifamily Affordable Housing), and Multiple Tariff facilities as described by PG&E Electric Schedule NEM and NEM2.

D. PG&E NEM Tariff Terms and Conditions Apply. CleanPowerSF NEM customers are also subject to the terms, conditions, and billing procedures of PG&E for services other than electric generation.

II. TERRITORY

A. This schedule is available throughout the City and County of San Francisco.

III. DEFINITIONS

A. "Annual True-up Period" means the twelve month period commencing in May of each year.

B. "Net Electricity Consumer" means a NEM-CleanPowerSF customer that generates less electricity from its Renewable Electrical Generation Facility during an Annual True-up Period than is delivered by CleanPowerSF to the customer during the same period.

C. "Net Electricity Generator" means a NEM-CleanPowerSF customer that generates more electricity from its Renewable Electrical Generation Facility during an Annual True-up Period than is delivered by CleanPowerSF to the customer during the same period.

---

[1] For more information see PG&E's NEM tariffs by selecting the "Electric Rate Schedules" link at: http://www.pg&e.com/tariffs/ERS.SHTML#ERS

D. "Renewable Electrical Generation Facility" means a facility that generates electricity from a renewable source listed in California Public Resources Code Section 25741(a)(1)[2] and that is:

1. located on the customer's owned, rented, or leased premises;

2. equal to or less than 1 MW (AC) in design capacity;

3. interconnected for parallel operation with the PG&E distribution system; and

4. sized principally to offset part or all of the customer's own on-site electrical requirements.

IV. RATES, BILLING, AND ANNUAL TRUE-UP PROCESS

A. Rates and Monthly Billing for CleanPowerSF Service

1. Each NEM-CleanPowerSF customer will receive a monthly billing statement reflecting net electricity consumption, charges incurred, credits generated during the current billing period, and remaining generation bill credits from previous billing cycles. The monetary value of any excess generation during a monthly billing cycle shall be calculated as follows:

   i. For Customers on a Flat Rate Tariff: If during a monthly billing cycle, the quantity of electricity generated by the customer's Renewable Electrical Generation Facility and delivered to CleanPowerSF is greater than the quantity of electricity delivered to the customer by CleanPowerSF, the value of the excess kilowatt-hours (kWh) produced shall be calculated according to the electricity usage charges of the customer's otherwise applicable rate schedule.

   ii. For Customers on a Time of Use ("TOU") Tariff: If during any TOU period, the quantity of electricity generated by the customer's Renewable Electrical Generation Facility and delivered to CleanPowerSF is greater than the quantity of electricity delivered to the customer by CleanPowerSF, the value of the excess kilowatt-hours (kWh) produced shall be calculated based on the applicable time-of-use rate when the excess kilowatt-hours were produced. The customer will receive a net bill credit if the sum of CleanPowerSF electric generation charges and credits across all applicable TOU periods during the billing cycle is a net positive value.

2. All CleanPowerSF charges under the customer's otherwise applicable rate schedule shall be in effect and all charges shall be due and payable on the due date identified in each billing statement.

   i. Residential and small commercial NEM-CleanPowerSF customers may elect to receive Annual Billing, under which CleanPowerSF charges for the preceding Annual True-Up Period become due once per year, after the Annual True-Up (see

[2] An eligible facility is one that generates electricity by using one of the following methods: biomass; solar thermal; solar photovoltaic; wind; geothermal; fuel cells using renewable fuels; qualifying small hydroelectric generation; digester gas; municipal solid waste conversion; landfill gas; ocean wave; ocean thermal; or tidal current.

Section IV.B below). Eligible small commercial customers are defined as those having a maximum monthly peak demand of less than 20 kilowatts.

3. Any net bill credits reflected on the customer's bill will be carried over for use in subsequent billing period(s) throughout the Annual True-up Period until such credits are exhausted.

B. Annual True-Up and Settlement

1. On an annual basis, CleanPowerSF will determine whether a participating customer is a Net Electricity Consumer or a Net Electricity Generator during the preceding Annual True-up Period. For new customers, the Annual True-up Period for the first year will cover the period starting on the date that the customer commenced service under this NEM Schedule through the customer's April billing cycle. In cases where a new customer has received CleanPowerSF NEM service for less than 10 billing cycles in their first Annual True Up Period, the Annual True Up Period will be extended to the end of the following April billing cycle.

2. When the customer is a Net Electricity Consumer at the end of the Annual True-up Period, any net bill credit balances remaining at that time will be reset to zero for the beginning of the next True-Up Period.

3. When the customer is a Net Electricity Generator at the end of the Annual True-up Period, the customer is eligible to receive Net Surplus Electricity Compensation for any net electricity production during the prior twelve-months.

4. The Net Surplus Electricity Compensation rate for each kilowatt-hour of net electricity production during the True-up Period is:

$0.0893 per kWh

5. CleanPowerSF will provide Net Electricity Generators their Net Surplus Electricity Compensation at the end of the Annual True-Up Period by bill credit that will apply to future CleanPowerSF charges. In lieu of receiving a bill credit from CleanPowerSF, customers may elect to receive payment by check. Customers electing to receive a check must indicate their preference within 60 days of the first bill following the end of the Annual True-Up Period.

C. Renewable Energy Credits and Environmental Attributes

1. The customer will retain ownership of all RECs and environmental attributes associated with its usage of electricity produced by the eligible Renewable Electrical Generation Facility.

V. RETURN TO PG&E BUNDLED SERVICE

A. If a NEM-CleanPowerSF customer opts-out of the CleanPowerSF program and returns to PG&E bundled service, that customer may request that CleanPowerSF settle any remaining net generation credits on the account, provided that the request is received within 90 calendar days of the return to PG&E service. The settlement method will be the same as the Annual Settlement process set forth in Section IV.B. If a Net Generator, the customer will be compensated for all net excess electricity received by CleanPowerSF at the applicable Net Surplus Electricity Compensation rate.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0012

WHEREAS, State law allows cities and counties to establish community choice aggregation programs, through which local governments may choose to supply electricity to serve the needs of participating customers within their jurisdiction while existing investor-owned utilities continue to provide such service to existing customers, such as billing, transmission and distribution; and

WHEREAS, Pursuant to Board of Supervisors Ordinance 86-04, the City established a community choice aggregation program, called CleanPowerSF, pursuant to Public Utilities Code Sections 218.3, 331.1, 366, 366.2, 381.1, 394, and 394.25, finding that such program provides a means by which the City may ensure the provision of clean, reasonably priced, and reliable electricity to San Francisco residents and businesses, and provide a means for the City to increase the scale and cost-effectiveness of conservation, energy-efficiency and renewable energy in the City, and CleanPowerSF has been established as a "Separate System" from the Commission's Power Enterprise and all other enterprises of the Commission; and

WHEREAS, On May 12, 2015, by Commission Resolution 15-0112, the Commission approved initial not-to-exceed rates and a rate-setting methodology for CleanPowerSF; and

WHEREAS, On May 28, 2015, Board of Supervisors Ordinance No. 75-15 became effective, which authorized the General Manager to use certain pro forma contracts, such as the Western System Power Pool agreement and the Edison Electric Institute agreement, to purchase electricity, and authorized the Commission within specified parameters to approve agreements with terms in excess of 10 years or requiring expenditures of $10,000,000 or more, for renewable and greenhouse gas-free energy supplies from facilities in California; and

WHEREAS, On October 27, 2015, by Commission Resolution 15-0222, the Commission approved the selection of a pool of qualified respondents to the CleanPowerSF Request for Offers of Power Supplies, and authorized the General Manager to negotiate and execute one or more contracts with the approved pool and to seek approval from the Board of Supervisors, to the extent required; and

WHEREAS, On December 8, 2015, by Commission Resolution 15-0269, the Commission approved the form of a Standby Letter of Credit and associated agreements with JP Morgan Chase Bank, National Association for a not-to-exceed principal amount of $40,000,000 in support of the CleanPowerSF Program, and authorized the General Manager to negotiate final terms of and execute the Standby Letter of Credit and that the associated agreements were entered into and certain Standby Letters of Credit were delivered; and

WHEREAS, An ordinance is pending before the Board of Supervisors in Board of Supervisors File No. 171172 which, if approved, would authorize the Commission to enter into one or more power purchase agreements with power providers ("Contracts") and under the Contracts, CleanPowerSF will be required to make payments that could be in the tens of millions of dollars; and

WHEREAS, CleanPowerSF may have certain working capital needs as part of conducting its normal business activities, and such working capital needs could be in the tens of millions of dollars; and

WHEREAS, In order to secure the obligations of CleanPowerSF to make any such Contract payments and to enable CleanPowerSF to enter into working capital loans, the PUC issued a Request for Proposals (RFP) in July 2017 to qualified banks to provide a credit agreement in a principal amount not to exceed $150,000,000 ("Credit Agreement"); and

WHEREAS, After an evaluation of the responses to the RFP, Commission staff determined that JPMorgan Chase Bank, National Association ("JPMorgan") provided the most advantageous terms to the Commission; and

WHEREAS, The form of the Credit Agreement, and a related fee agreement (the "Fee Agreement"), proposed to be entered into by the Commission and JPMorgan have been presented to the Commission, and the Commission finds it in its best interest to enter into such agreements; and

WHEREAS, CleanPowerSF will undertake to pay all of the obligations under the Credit Agreement, including but not limited to, the costs of any payments to JPMorgan, including the annual standby letter of credit fee and repayment of principal and interest on working capital loans, and the costs and expenses of any term loan; and

WHEREAS, The ordinance pending before the Board of Supervisors in File No. 171172 authorizes the General Manager, subject to Commission approval, to enter into a bank credit agreement in support of CleanPowerSF's expansion for a principal amount not to exceed $150,000,000 and a term not to exceed six years, and therefore this Commission's approval of the proposed Credit Agreement and associated Fee Agreement is contingent upon subsequent Board of Supervisors approval of that ordinance; and

WHEREAS, The proposed Credit Agreement and associated Fee Agreement does not constitute a "project" under California Environmental Quality Act (CEQA) Guidelines Section 15378(b)(4) because this approval would constitute the creation of a government funding mechanism which does not involve any commitment to a specific project which may result in a potentially significant physical change in the environment; now, therefore, be it

RESOLVED, Subject to approval by the Board of Supervisors of the ordinance in Board of Supervisors File No. 171172, the Credit Agreement and the Fee Agreement, in substantially the forms submitted to this Commission, are approved and the Commission hereby authorizes the General Manager to enter into the Credit Agreement, together with associated Fee Agreement, with JP Morgan Chase Bank in an aggregate principal amount not to exceed $150,000,000, with a term not to exceed six years, to secure payments arising under any Contract entered into in connection with CleanPowerSF and to enter into working capital loans, provided that the annual credit facility fee payable to JPMorgan shall not exceed $3,375,000 per year in the aggregate; and be it

FURTHER RESOLVED, The General Manager or his or her designee, and in consultation with the City Attorney, is hereby authorized to execute such other agreements, certifications or documents and to take any and all necessary action in furtherance of the actions hereby approved, such approval to be conclusively evidenced by the execution and delivery of such documents; and be it

FURTHER RESOLVED, The General Manager is further authorized, in consultation with the City Attorney, to execute amendments to the Credit Agreement and/or Fee Agreement provided that no terms are changed which would increase the financial risk to the Commission, or increase the aggregate principal amount beyond $150,000,000, the credit facility fee beyond $3,375,000 per year in the aggregate, or the term beyond six years; and be it

FURTHER RESOLVED, That this Commission makes the following finding in compliance with the California Environmental Quality Act ("CEQA"), California Public Resources Code Sections 21000 et seq., the CEQA Guidelines, 15 Cal. Administrative Code Sections 15000 et seq., (the "CEQA Guidelines"), and San Francisco Administrative Code Chapter 31 that obtaining credit support for CleanPowerSF is not subject to CEQA because as the establishment of a government financing mechanism to secure power purchases, it does not identify individual specific projects to be constructed with the funds, it is not a project as defined by CEQA and the CEQA Guidelines; and be it

FURTHER RESOLVED, The General Manager is authorized to delegate any of the responsibilities or duties authorized in this resolution to the Assistant General Manager, Business Services and Chief Financial Officer of the Commission; and be it

FURTHER RESOLVED, All actions heretofore taken by the officials, employees and agents of the Commission with respect to obtaining credit support for CleanPowerSF are hereby approved, confirmed and ratified; and be it

RESOLVED, This resolution shall take effect from and after its adoption.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0013**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Water Enterprise bond and revenue-funded Contract No. WD-2838, Sunol Valley Water Treatment Plant (SVWTP) Powdered Activated Carbon (PAC) System, on October 23, 2017; and

WHEREAS, The revised Engineer's Estimate is $5,400,000 for this construction contract work to build the SVWTP PAC System to reduce taste and odors in drinking water entering the Regional Water System from SVWTP; and

WHEREAS, One (1) bid was received from Anvil Builders Inc. and opened publicly on November 30, 2017; and

WHEREAS, Pursuant to the San Francisco Administrative Code, Chapter 6.23(c)(2), SFPUC staff conducted an analysis of the level of contract outreach and a review of the scope of work in the contract documents, in order to determine whether modifications to either would likely result in more than one bid at substantially lower prices than the bid received if the contract were to be re-advertised; and

WHEREAS, SFPUC staff has determined that the SFPUC likely will not benefit from modification, re-advertising, or re-bidding of the contract; and

WHEREAS, Negotiations between SFPUC staff and the sole qualified, responsible and responsive bidder, Anvil Builders Inc., are ongoing; and

WHEREAS, Anvil Builders Inc. has agreed to cooperate with the SFPUC on value engineering to reduce the contract costs; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness, and application of bid preferences resulted in the establishment of Anvil Builders Inc. as the sole qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this contract, and the contractor committed to a LBE participation of at least 20% with it bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, On October 10, 2017, the Planning Department determined that the project is categorically exempt under California Environmental Quality Act (CEQA) Guidelines Section 15301, Class 11(Accessory Structures); and

WHEREAS, Funds are available from Project Nos. CUW27200 (Regional Water Treatment Program, which includes bond funding) and CUW27400 (Water Supply & Storage); now therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager to negotiate a contract for an amount not to exceed $5,965,300 with the sole qualified responsible and responsive bidder, Anvil Builders Inc., or, if negotiations are unsuccessful, with another qualified contractor, for Water Enterprise bond and revenue-funded Contract No. WD-2838, SVWTP PAC System; and be it

FURTHER RESOLVED, That, upon successful negotiations, this Commission hereby approves the plans and specifications and awards Water Enterprise bond and revenue- fundedContract No. WD-2838, SVWTP PAC System, for an amount not to exceed $5,965,300, with a contract duration of 386 consecutive calendar days, to the sole qualified, responsible and responsive bidder, Anvil Builders Inc., or to another qualified contractor with whom the SFPUC negotiates a contract, for an amount not to exceed $5,965,300, with a contract duration of 386 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: **18-0014**

WHEREAS, The Mission Rock (Seawall Lot 337 and Pier 48) Project ("Project") is a mixed-use, multi-phase development that would transform a surface parking lot just south of AT&T Park into a new community; and

WHEREAS, The Project outlines a vision to reintegrate and restore the approximately 28 acre site into the fabric of San Francisco to create an active, sustainable neighborhood; and

WHEREAS, The Project includes affordable housing that exceeds that otherwise required and is anticipated to equal 40% of the total housing for the Project; and

WHEREAS, The Project will create approximately 8 acres of major new and expanded parks, pedestrian plazas and rehabilitated public piers and wharves, and will also provide a dynamic range of space for shops, restaurants, cafés, neighborhood-serving retail uses, such as a grocery store, and community spaces as well as commercial/office and light industrial space; and

WHEREAS, The Project will implement Sustainability Strategy that provides leadership in long-term sustainability planning and design. Resilient design strategies will be implemented to respond to climate change and resulting sea level rise; and

WHEREAS, The Project is supported by extensive investments in infrastructure, including new water distribution, auxiliary water supply facilities, stormwater management improvements, separated storm and sanitary sewer systems, power facilities, and street lighting; and

WHEREAS, The proposed Development Agreement recognizes that, in exchange for defined public benefits, the Project will only be subject to certain defined ordinances, regulations, rules and policies governing the design, construction, fees and exactions, use or other aspects of the Project; and

WHEREAS, The Mission Rock project requires new horizontal infrastructure development to serve the Project; and,

WHEREAS, An Interagency Cooperation Agreement articulates the Project's responsibility to construct horizontal improvements and includes various city agencies', including the SFPUC's, authority to review and approve the horizontal infrastructure plans; and

WHEREAS, The SFPUC's responsibilities for utility related components constructed by the Project are contingent on execution of a Memorandum of Agreement ("MOA") between the Port, SFPUC and other relevant City agencies. The MOA will establish a framework for acceptance, ownership, maintenance and regulation of Horizontal Improvements to land owned or to be owned by the City or the Port, and will address the scope of Developer's maintenance, repair and liability obligations for Horizontal Improvements prior to acceptance; and

WHEREAS, The SFPUC Power Enterprise has completed a feasibility study to assess the feasibility of providing electric power to the Project, consistent with Chapter 99 of the San Francisco Administrative Code; and

WHEREAS, on November 3, 2015, the San Francisco voters approved Proposition D (the Mission Rock Affordable Housing, Parks, Jobs, and Historic Preservation Initiative) with over 74% of votes in favor of the Project; and

WHEREAS, An Environmental Impact Report (EIR) was prepared for the Mission Rock Project; and

WHEREAS, at the October 5, 2017 hearing, the Planning Commission certified the Final Environmental Impact Report (FEIR) by Motion No. 20017, and on the same date, the Planning Commission adopted environmental findings in accordance with the California Environmental Quality Act (CEQA Findings) including a Statement of Overriding Considerations, and a Mitigation Monitoring and Reporting Program (MMRP) in Motion No. 20018; and

WHEREAS, The project files, including the Final EIR (FEIR) and the Mission Rock CEQA Findings have been made available for review by the SFPUC and the public and those files are part of the record before this Commission; and

WHEREAS, This Commission has reviewed and considered the information contained in the FEIR, the findings contained in Planning Commission Motions Nos. 20017 and 20018, and all written and oral information provided by the Planning Department, the public, relevant public agencies, SFPUC and other experts and the administrative files for the Project; and

WHEREAS, The SFPUC has reviewed the Utility-Related Mitigation Measures in the MMRP; now, therefore, be it

RESOLVED, This Commission has reviewed and considered the FEIR and record as a whole, finds that the FEIR is adequate for its use as the decision–making body for the action taken herein and hereby adopts the CEQA Findings, including the Statement of Overriding Considerations and adopts the Mitigation Monitoring and Reporting Program and incorporates the CEQA findings contained in Planning Commission Motion Nos. 20017 and 20018 by this reference thereto as though set forth in this Resolution; and be it

FURTHER RESOLVED, This Commission further finds that since the FEIR was finalized, there have been no substantial project changes and no substantial changes in project circumstances that would require major revisions to the FEIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the FEIR; and be it

FURTHER RESOLVED, That this Commission hereby consents to the Development Agreement between the City and the Developer substantially in the form and on the terms as outlined in the Development Agreement with respect to the items under the SFPUC's jurisdiction, and authorizes the General Manager to execute the SFPUC Consent to the Development Agreement on behalf of this Commission; pending approval by the Board of Supervisors, and be it

FURTHER RESOLVED, That subject to approval from the Board of Supervisors, this Commission does hereby consent to the Interagency Cooperation Agreement between the City, the Port Commission, and the Developer, with respect to the items under the SFPUC's jurisdiction, and authorizes the General Manager to execute the SFPUC Consent to Interagency Cooperation Agreement on behalf of this Commission; and be it

FURTHER RESOLVED, That the SFPUC will provide electric power to the project pursuant to its Rules and Regulations for electric service and the terms of an Electric Service Agreement; and be it

FURTHER RESOLVED, That, subject to appropriation of any necessary funds, this Commission authorizes the SFPUC General Manager, to take any and all steps (including, but not limited to, the execution and delivery of any and all agreements, notices, consents and other instruments or documents) as he or she deems necessary or appropriate, in consultation with the City Attorney, in order to consummate and perform its obligations under the Development Agreement and the Interagency Cooperation Agreement in accordance with this Resolution and legislation by the Board of Supervisors, or otherwise to effectuate the purpose and intent of this Resolution and such legislation; and be it

FURTHER RESOLVED, That, by consenting to the Development Agreement between the City and the Developer and the Interagency Cooperation Agreement between the City, the Port Commission, and the Developer, the Commission does not intend to in any way limit, waive or delegate the exclusive authority of the SFPUC as set forth in Article VIIIB of the City's Charter; and be it

FURTHER RESOLVED, That the approval under this Resolution shall take effect upon the effective date of the Board of Supervisors legislation approving the Development Agreement.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of January 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Acting Mayor
and
President of the Board of Supervisors

AGENDA

SPECIAL MEETING
Budget Hearing #2
Thursday, January 25, 2018
(Noticed December 18, 2017)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

For questions about the meeting, please contact (415) 554-3165. The ringing of and use of cell phones, pages, and similar sound-producing electronic devices are prohibited. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know your rights under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decisions in full view of the public. Commissions, boards, councils, and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact the Sunshine Ordinance Task Force, City Hall, Room 409, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, Phone: (415) 554-7724; Fax: (415) 554-7854; E-mail: sotf@sfgov.org. Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at www.sfgov.org.

Disability Access: The Special SFPUC meeting will be held at 525 Golden Gate Avenue, Second Floor, O'Shaughnessy Conference Rooms A, B, and C, San Francisco, CA. The closest accessible BART Station is at Civic Center. Accessible MUNI lines serving this location are: Metro lines J Church, K Ingleside, L Taraval, M Oceanview, N Judah and T Third at Van Ness and Civic Center Stations; F Market Line; and bus routes 19 Polk, 47 Van Ness, 49 Mission Van Ness, 5 Fulton, 6 Parnassus, 21 Hays, 9 San Bruno, 9L San Bruno Limited, 71 Haight Noriega and 71L Noriega Limited. For more information about MUNI accessible services call (415) 701-4485. The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets. To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at (415) 554-0761, or by emailing dhood@sfwater.org. Providing at least 72 hours notice will help to ensure availability. To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products.

LANGUAGE ACCESS

Per the Language Access Ordinance (Chapter 91 of the San Francisco Administrative Code), Chinese, Spanish and or Filipino (Tagalog) interpreters will be available upon requests. Meeting Minutes may be translated, if requested, after they have been adopted by the Commission. Assistance in additional languages may be honored whenever possible. To request assistance with these services please contact the Commission Clerk Donna Hood at (415) 554-0761, or dhood@sfwater.org at least 48 hours in advance of the hearing. Late requests will be honored if possible.

語言服務

根據語言服務條例 （三藩市行政法典第91章），中文、西班牙語和或菲律賓語（泰加洛語）傳譯人員在收到要求後將會提供傳譯服務。翻譯版本的會議記錄可在委員會通過後透過要求而提供。其他語言協助在可能的情況下也將可提供。上述的要求，請於會議前最少 (415) 554-4876 時致電聯至 dhood@sfwater.org]
會秘書Donna Hood提出。逾期提出的請求，若可能的話，亦會被考慮發納。

ACCESO A IDIOMAS

De acuerdo con la Ordenanza de Acceso a Idiomas *"Language Access Ordinance"* (Capítulo 91 del Código Administrativo de San Francisco *"Chapter 91 of the San Francisco Administrative Code")* intérpretes de chino, español y/o filipino (tagalo) estarán disponibles de ser requeridos. Los minutos podrán ser traducidos, de ser requeridos, luego de ser aprobados por la Comisión. La asistencia en idiomas adicionales se tomará en cuenta siempre que sea posible. Para solicitar asistencia con estos servicios favor comunicarse con la Secretaria de la Comisión Donna Hood al (415) 554-0761, o dhood@sfwater.org por lo menos 48 horas antes de la reunión. Las solicitudes tardías serán consideradas de ser posible.

PAG-ACCESS SA WIKA

Ayon sa Language Access Ordinance (Chapter 91 ng San Francisco Administrative Code), maaaring mag-request ng mga tagapagsalin sa wikang Tsino, Espanyol, at/o Filipino (Tagalog). Kapag hiniling, ang mga kaganapan ng miting ay maaring isalin sa ibang wika matapos ito ay aprobahan ng komisyon. Maari din magkaroon ng tulong sa ibang wika. Sa mga ganitong uri ng kahilingan, mangyaring tumawag sa Clerk ng Commission Donna Hood sa (415) 554-0761, o dhood@sfwater.org sa hindi bababa sa 48 oras bago mag miting. Kung maari, ang mga late na hiling ay posibleng pagbibigyan.

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Summary of Budget Hearing #1 Questions (discussion)

4. Public Hearing and discussion of the Proposed FY 2018-19 and FY 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission: (discussion)

   A. Proposed Water Enterprise Budget, Capital and Financial Plans
      i. FY 2018-19 and FY 2019-20 Operating Budget
      ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
      iii. FY 2018-19 through FY 2027-28 Financial Plan

   B. Proposed Hetchy Water, Power & CleanPowerSF Budget, Capital and Financial Plans
      i. Hetchy Water FY 2018-19 and FY 2019-20 Operating Budget
      ii. Hetchy Water FY 2018-19 through FY 2027-28 Capital Plan, including the FY2018-19 and FY 2019-20 Capital Budget
      iii. Power Enterprise FY 2018-19 and FY 2019-20 Operating Budget
      iv. Power Enterprise FY 2018-19 through FY 2027-28 Capital Plan, including the FY2018-19 and FY 2019-20 Capital Budget
      v. Hetchy Water & Power FY 2018-19 through FY 2027-28 Financial Plan
      vi. CleanPowerSF FY 2018-19 and FY 2019-20 Operating Budget
      vii. CleanPowerSF FY 2018-19 through FY 2027-28 Financial Plan

5. Motion to continue meeting to a Special Meeting noticed for Thursday, February 1, 2018.

San Francisco Public Utilities Commission
525 Golden Gate Avenue
13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes

SPECIAL MEETING
Budget Hearing #2
Thursday, January 25, 2018
(Approved February 13, 2018)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org

1. Call to Order
   President Kwon called the meeting to order at 9:16 AM.

2. Roll Call
   Present: Kwon, Courtney, and Vietor
   Excused: Caen and Moran

3. Summary of Budget Hearing #1 Questions
   Eric Sandler, CFO and Assistant General Manager (AGM) Business Services, presented a summary of questions posed by the Commission at the January 18, 2018 Special Budget Hearing #2and associated responses.

   No public comment.

4. Public Hearing and discussion of the Proposed FY 2018-19 and FY 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission:

   A. Proposed Water Enterprise Budget, Capital and Financial Plans
      i. FY 2018-19 and FY 2019-20 Operating Budget
      ii. FY 2018-19 through FY 2027-28 Capital Plan, including the FY 2018-19 and FY 2019-20 Capital Budget
      iii. FY 2018-19 through FY 2027-28 Financial Plan

      Steve Ritchie, AGM Water, reviewed the Water Enterprise system overview map. He presented the Water Enterprise organizational chart and introduced management staff. He discussed Water System Level of Service (LOS) Goals and Objectives, which were adopted in 2008 and expanded in October 2017 and address drinking water quality, regional delivery reliability, regional seismic reliability, in-City seismic reliability, in-City delivery reliability, water supply, environmental stewardship, and sustainability.

      Commissioner Vietor requested that a Climate Resilience heading be added to the LOS Goals and Objectives (to include flood and drought).

      AGM Ritchie presented the following for the Water Enterprise:

      Performance Metrics: (1) Achieve LOS Goals and Objectives; (2) Achieve a distribution main replacement of 15 miles per year; (3) Maintain dam safety compliance; and (4) Improve processing of new service installations.

      Accomplishments: (1) Achieved successful Mountain Tunnel Shutdown; (2) Managed water quality challenges; (3) Commenced lead testing of schools with SFUSD; (4) Accomplished first phase of New Service Connection

Process Improvement Project, and (5) Completed construction of four San Francisco groundwater wells.

FY2019 & FY 2020 Biennial Budget Priorities: (1) Improve business process management, particularly at City Distribution Division (CDD); (2) Catch-up on Water Supply and Treatment (WST) staffing support for Water System Improvement (WSIP) improvements; (3) Act on CDD staff recommendations for ergonomic improvements; and (4) Review water main replacement of 15 miles per year based on recent data review and lessons learned.

AGM Ritchie responded to a question from Commissioner Vietor regarding groundwater wells. She requested a status update be provided to the Commission within in the next six months.

Mr. Ritchie discussed the main replacement shortfall and noted reasons for not meeting the goal (replacement cost per mile has increased; increased cost and volume of projects with other agencies in the lead; delays encountered in large multi-agency projects; and greater utilization of SFPUC staff time). He reviewed water main CDD replacement mileage;, historic and project rates; CDD annual water main replacement mileage; and estimated cost per mile.

AGM Ritchie responded to a question from Commissioner Vietor regarding the goal and actual replacement.

GM Kelly responded to a question from President Kwon regarding key cost drivers and coordination with other agencies for work that requires digging up a street to avoid multiple digs to ensure cost effectiveness (one dig policy). He responded to a follow-up question from Commissioner Vietor. Brief discussion ensued.

AGM Ritchie discussed CDD work categories for plumbers (unplanned and emergencies; planned SFPUC CIP; planned operating budget; and time off), all of which results in only 15% of plumbing crew time spent on planned main replacement work.

Challenges: (1) Main replacement; (2) New facilities, equipment and technologies; (3) New responsibilities over time; and (4) Increasing water quality risks and concerns. He further discussed new facilities, equipment and technologies in WST Division.

Operating Budget Request: (1) Sources and uses of funds (FY2018, 2019, and 2020); (2) Total budget; and (3) Total full-time authorized positions.

Commissioner Courtney discussed his concerns regarding the lack of non-plumbing apprentice (labor) trades position in the Water Enterprise budget. He indicated he would not support the Water Enterprise budget without the addition of pre-apprentice and apprentice programs. GM Kelly provided response regarding the positions classifications that are needed for such a program and policies that need to be in place. Commissioner Courtney provided response and reiterated the need for additional trade positions and policies at the SFPUC.

Cindy Charan, Director, SFPUC, Human Resources, discussed the citywide effort to formulate pre-apprentice programs with city departments, with SFPUC taking the lead. She stated a workforce initiative update will be presented to the Commission.

Commissioner Courtney thanked Ms. Charan for her comments and noted the importance of the issue. GM Kelly offered possible options to fund those positions through three-year positions. Discussion ensued. The GM emphasized the need for consistent apprentice programs.

GM Kelly responded to a question from Commissioner Vietor regarding the possibility of accelerating the policy/proposal. GM Kelly stated he will work on the issue and report back to the Commission with a strategy.

Commissioner Courtney expressed the need to hire qualified and capable public employees and the need to hire better via career pathways. Discussion ensued.

Budget Changes: (1) Enterprise-wide; (2) CDD efficiencies; (3) Water Supply and Treatment; (4) Water Quality Division; (5) Natural Resources; (6) Land Management Division; and (7) Water Resources Division.

Capital Budget Request: Managing the regional and local assets: (1) Maintain base regional program; (2) Maintain base local program; (4) Water transmission pipeline improvement program; (5) Improvements and Sunol Valley Water Treatment Plant (manage taste and odor issues and disinfection byproducts); (6) Pump station improvements (particularly San Antonio Pump Station); (7) Dam improvements; (8) New and improved facilities; (9) Water supply projects; (10) Increases for in-city work; (11) Programmatic environmental compliance; and (12) Other programmatic.

AGM Ritchie reviewed projects not funded in the 10-Year Capital Plan (San Antonio Pipeline Replacement; CSPL3 PCC Replacement; Bay Area Watershed and ROW Protection Program; Removal of abandoned facilities; Automated Water Meter Program Renewal; and additional Newcomb Yard improvements).

AGM Ritchie reviewed the 10-Year Capital Plan: (1) Change from prior year; (2) Capital Plan; (3) Two-Year budget request; and (4) Capital Plan summary.

AGM Ritchie responded to a question from Commissioner Vietor regarding the 15 mile replacement goal, operations and efficiencies, and the return-on-investment. Brief discussion ensued. Katie Miller, CDD Division Manager and CFO Sandler provided information on the scope of work.

VP Courtney discussed parcel land management and requested a map of parcels and the plan for land management.

Commissioner Vietor requested information on the Sunol Watershed Center timeline.

Public Comment

- *Tom Francis, BAWSCA, discussed BAWSCA's participation in the process and thanked staff for including them. He outlined BAWSCA's comments on a number of projects. He noted BAWSCA is preparing a comparison of the SFPUC CIP process against other large water agencies. He expressed support for the Water budget proposal.*

The Commission recessed at 11:14 AM and reconvened at 11:26 AM.

CFO Sandler presented the 10-Year Financial Plan: (1) Key Assumptions; (2) Water sales volumes; (3) Major takeaways; (4) Water Enterprise projections; (5) Combined Water and Wastewater Retail Rate changes (actual and projected); (6) Combined Water and Wastewater average single family monthly bill (actual and projected); and (7) Unit affordability (cost as a percent of median household income).

No public comment.

VP Courtney stated he is not ready to approve the Water Enterprise budget as it stands but will connect with the General Manger on issues of concern.

B. Proposed Hetchy Water, Power & CleanPowerSF Budget, Capital and Financial Plans

i. Hetchy Water FY 2018-19 and FY 2019-20 Operating Budget

ii. Hetchy Water FY 2018-19 through FY 2027-28 Capital Plan, including the FY2018-19 and FY 2019-20 Capital Budget

AGM Ritchie presented the Hetchy Water budget. He touched on the Water Enterprise organizational chart, including the Hetchy Water and Power Division, and reviewed the following:

Performance Metrics: (1) Achieve Water Enterprise LOS; (2) Maintain "Water First" operation of Hetch Hetchy facilities; (3) Maintain drinking water compliance; (4) Optimize hydroelectric power generation consistent with "Water First" policy; (5) Maintain dam safety compliance; (6) Maintain relationships with National Park Service, U.S. Forest Service, and Tuolumne County; and (7) Maintain compliance with WECC and NERC regulations.

Accomplishments: (1) Mountain Tunnel shutdown; (2) Managed through largest inflow in our hydrologic record, (3) Successful transition to the Assistant Division Manager; and (4) Completed audit by WECC.

FY 2019 and FY 2020 Biennial Budget Priorities: (1) Resource facilities maintenance; (2) Resources for WECC and NERC compliance; and (3) focus on highest priority capital projects.

FY 2019 and FY 2020 Biennial Budget Changes: (1) Seven WECC and NERC compliance project positions; (2) Replacement of heavy equipment; (3) Increased Don Pedro Recreation Association funding for replacement of visitor center; and (4) Increased NPS funding.

Challenges: (1) Limited resources for facilities maintenance; and (2) WECC and NERC compliance.

Operating Budget Request: (1) Uses of funds (FY2018, 2019, and 2020); (2) Total budget; and (3) Total full-time authorized positions.

Capital Budget Request: Highest priority projects: (1) Base Program; (2) Significant Water additions; (3) Significant Power additions; (4) Significant joint additions; and (5) Programmatic.

AGM Ritchie reviewed plan projects not funded in the 10-Year Capital Plan (1) Power: (Kirkwood Penstock rehabilitation; Holm Powerhouse – Cherry Creek Channel Improvements; Kirkwood Powerhouse; Holm Penstock additional rehabilitation; Holm Bridge replacement; and Moccasin Switchyard rehabilitation); and (2) Joint: (Buildings; Moccasin Yard improvements Phase II; Moccasin-to-Modesto communication fiber; Cherry Dam Spillway; and Moccasin Wastewater Treatment Plant).

He continued with a review of: (1) Capital Plan summary; (2) Hetch Hetchy 10-Year Capital Plan Change from prior 10-Year Plan; (3) Hetch Hetchy 10-Year Capital Plan; and (4) Hetch Hetchy Two-Year budget request.

No public comment.

The Commission recessed at 12:01 PM and reconvened at 12:13 PM.

iii. Power Enterprise FY 2018-19 and FY 2019-20 Operating Budget
iv. Power Enterprise FY 2018-19 through FY 2027-28 Capital Plan, including the FY2018-19 and FY 2019-20 Capital Budget
v. Hetchy Water & Power FY 2018-19 through FY 2027-28 Financial Plan
vi. CleanPowerSF FY 2018-19 and FY 2019-20 Operating Budget
vii. CleanPowerSF FY 2018-19 through FY 2027-28 Financial Plan

Barbara Hale, AGM Power, began with a review of the Power Enterprise organizational chart and continued with a presentation of:

Performance Metrics: (1) Construct and maintain facilities to ensure reliable service and public safety; (2) Increase Hetchy customer load; (3) Provide financial and rate stability to customers through power portfolio risk management; (4) Comply with state and federal energy regulatory requirements and City goals; (5) Maintain best industry practices, LOS, and market rules and tariffs; and (6) Complete citywide enrollment and maintain low opt-out rates.

Accomplishments: (1) Generated retail revenue of $108M; (2) Launched CleanPowerSF; (3) Developed commercial-paced procedures by creating new standard form Power Purchase Agreements for renewable energy facilities; and (4) Completed Integrated Resource Plan.

Commissioner Vietor requested that "Clean and Reliable Service and Public Safety" be added to the first bullet under "accomplishments".

FY 2019 and FY 2020 Biennial Budget Priorities: (1) CPSF citywide enrollment; (2) Meet service level goals; (3) Continue to implement Power Enterprise Business Plans; (4) Continue to support local energy efficiency and renewable generation projects; and (5) Enhance critical functions to support growth.

Challenges: (1) Expanding CleanPowerSF; (2) Building to serve new customers (match pace); (3) Ongoing litigation and disputes with PG&E to protect customer base; and (4) Service level impacts associated with staffing.

Budget Request Summary: (1) New proposals support Business Plan objectives; (2) CPSF citywide rollout; (3) New customer billing system; (4) Ongoing litigation and risk management; and (5) Distribution maintenance.

Operating Budget Request Hetchy Power and CleanPowerSF: (1) Uses of funds (FY2018, 2019, and 2020); (2) Total budget; and (3) Total full-time authorized positions.

AGM Hale discussed the CPSF power portfolio risk management (forward contracted cost and projected total portfolio cost), and activities surrounding mitigating risk.

GM Kelly noted that staff is working on a map which will define Hetchy and CPSF customers as requested by Commissioner Vietor at the first budget hearing.

Commissioner Vietor requested additional information on the local build-out (when it might happen and the financial resources needed). AGM Hale and GM Kelly provided response. Commissioner Vietor also requested a graph which notes benchmarks, goals, and timelines.

AGM Hale continued with a review of Hetchy Power: (1) Capital Plan Summary; (2) 10-Year Capital Plan Change from prior 10-Year Plan; (3) 10-Year Capital Plan (highest priority projects); (4) Projects not funded in the 10-Year Capital Plan (energy efficiency for new retail customers; Intervening facilities (partial); Bay Corridor T&D (partial); and distribution interface – new customers (partial)); (5) 10-Year Capital Plan; and (6) Hetchy Power Two-Year budget request.

Commissioner Vietor stated there needs to be more energy efficiency efforts. AGM Hale responded to her request for a better understanding of energy efficiency return of investment for energy efficiency.

No public comment.

CFO Sandler presented the Hetch Hetchy Water and Power (HHWP) 10-Year Financial Plan: (1) Key Assumptions; (2) Power Enterprise sales volumes (actual and projected); (3) Major takeaways (capital infrastructure priorities driving future year cost increases); (4) HHWP Projections; and (5) Selected average power rates.

CFO Sandler presented the 10-Year Financial Plan: (1) Key Assumptions (conforms with Commission-approve financial policies except during ramp-up period where fund balance is below policy threshold); (2) FYE19/20 proposed Operating Budgets are incorporated; (3) Phase II customer roll-out July 2018, Phase III customer roll-out July 2019; and (4) Sales volume.

No public comment.

5. Motion to continue meeting to a Special Meeting noticed for February 1, 2018.

President Kwon adjourned the meeting at 1:19 PM.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA

SPECIAL MEETING
Budget Hearing #3
Thursday, February 1, 2018
(December 18, 2017)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org

For questions about the meeting, please contact (415) 554-3165. The ringing of and use of cell phones, pages, and similar sound-producing electronic devices are prohibited. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know your rights under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decisions in full view of the public. Commissions, boards, councils, and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact the Sunshine Ordinance Task Force, City Hall, Room 409, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, Phone: (415) 554-7724; Fax: (415) 554-7854; E-mail: sotf@sfgov.org. Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at www.sfgov.org.

Disability Access: The Special SFPUC meeting will be held at 525 Golden Gate Avenue, Second Floor, O'Shaughnessy Conference Rooms A, B, and C, San Francisco, CA. The closest accessible BART Station is at Civic Center. Accessible MUNI lines serving this location are: Metro lines J Church, K Ingleside, L Taraval, M Oceanview, N Judah and T Third at Van Ness and Civic Center Stations; F Market Line; and bus routes 19 Polk, 47 Van Ness, 49 Mission Van Ness, 5 Fulton, 6 Parnassus, 21 Hays, 9 San Bruno, 9L San Bruno Limited, 71 Haight Noriega and 71L Noriega Limited. For more information about MUNI accessible services call (415) 701-4485. The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets. To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at (415) 554-0761, or by emailing dhood@sfwater.org. Providing at least 72 hours notice will help to ensure availability. To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products.

LANGUAGE ACCESS

Per the Language Access Ordinance (Chapter 91 of the San Francisco Administrative Code), Chinese, Spanish and or Filipino (Tagalog) interpreters will be available upon requests. Meeting Minutes may be translated, if requested, after they have been adopted by the Commission. Assistance in additional languages may be honored whenever possible. To request assistance with these services please contact the Commission Clerk Donna Hood at (415) 554-0761, or dhood@sfwater.org at least 48 hours in advance of the hearing. Late requests will be honored if possible.

語言服務

根據語言服務條例 （三藩市行政法典第91章），中文、西班牙語和或菲律賓語（泰加洛語）傳譯人員在收到要求後將會提供傳譯服務。翻譯版本的會議記錄可會會通過後透過要求而提供。其他語言協助在可能的情況下也將可提供。上述的要求，請於會議前最少 (415) 554-0761 或電郵至 dhood@sfwater.org] 會秘書Donna Hood提出。逾期提出的請求，若可能的話，亦會被考慮辦納。

ACCESO A IDIOMAS

De acuerdo con la Ordenanza de Acceso a Idiomas *"Language Access Ordinance"* (Capítulo 91 del Código Administrativo de San Francisco *"Chapter 91 of the San Francisco Administrative Code")* intérpretes de chino, español y/o filipino (tagalo) estarán disponibles de ser requeridos. Los minutos podrán ser traducidos, de ser requeridos, luego de ser aprobados por la Comisión. La asistencia en idiomas adicionales se tomará en cuenta siempre que sea posible. Para solicitar asistencia con estos servicios favor comunicarse con la Secretaria de la Comisión Donna Hood al (415) 554-0761, o dhood@sfwater.org por lo menos 48 horas antes de la reunión. Las solicitudes tardías serán consideradas de ser posible.

PAG-ACCESS SA WIKA

Ayon sa Language Access Ordinance (Chapter 91 ng San Francisco Administrative Code), maaaring mag-request ng mga tagapagsalin sa wikang Tsino, Espanyol, at/o Filipino (Tagalog). Kapag hiniling, ang mga kaganapan ng miting ay maaring isalin sa ibang wika matapos ito ay aprobahan ng komisyon. Maari din magkaroon ng tulong sa ibang wika. Sa mga ganitong uri ng kahilingan, mangyaring tumawag sa Clerk ng Commission Donna Hood sa (415) 554-0761, o dhood@sfwater.org sa hindi bababa sa 48 oras bago mag miting. Kung maari, ang mga late na hiling ay posibleng pagbibigyan.

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Summary of Budget Hearing Questions (discussion)

PUBLIC HEARING

4. Public Hearing and discussion of the Proposed FY-2018-19 and 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission: (discussion)

   A. Bureaus and Infrastructure Operating Budget
      i. General Manager
      ii. Business Services
      iii. External Affairs
      iv. Infrastructure

5. Follow-up discussion from the January 18 and 25, 2018 Budget Hearings

6. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue
13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes

SPECIAL MEETING
Budget Hearing #3
Thursday, February 1, 2018
(Approved February 1, 2018)

NOTE DIFFERENT TIME AND LOCATION

9:00 A.M.
525 Golden Gate Avenue, Second Floor
O'Shaughnessy Conference Rooms A, B, and C
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Anson Moran
Francesca Vietor

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 554-3165.
Minutes and other information are available on the SFPUC web site:
www.sfwater.org

1. Call to Order
Commissioner Caen, Budget Hearing Chair, called the meeting to order at 9:06 AM.

2. Roll Call
Present: Caen, Kwon, and Moran
Excused: Courtney

3. Summary of Budget Hearing Questions
Eric Sandler, CFO and Assistant General Manager (AGM) Business Services, presented an updated summary of questions posed by the Commission at the January 18 and 25, 2018 special budget hearings and associated responses. He noted the inclusion of the Technology Policy update.

4. Public Hearing and discussion of the Proposed FY-2018-19 and 2019-20 Operating and Capital Budgets, the Proposed FY 2018-19 through FY 2027-28 Capital Plan, and the Proposed FY 2018-19 through FY 2027-28 Financial Plan for the San Francisco Public Utilities Commission:

CFO Sandler recapped the first two budget hearings and noted follow-up meetings as requested have occurred or have been scheduled.

Commissioner Vietor arrived at 9:10 AM.

A. Bureaus and Infrastructure Operating Budget

i. General Manager (GM)
Michael Carlin, Deputy General Manager (DGM), presented the GM budget: (1) Consolidated uses of funds for FY 2018, FY2019 and FY 2020; (2) Consolidated budget; and (3) Consolidated full-time authorized positions.

DGM Carlin introduced Cindy Charan, Director, Human Resources Services (HRS), who presented the HRS budget:

***Human Resources Services**: Director Charan began with a review of the HRS Organizational chart, introduced key staff, and presented on the following:*

Core Functions: (1) Attract and engage; (2) On-and-off board employees; (3) Cultivate a skilled and talented workforce; (4) Provide technical management guidance; (5) Prevent workplace illness/injury; (6) Process bi-weekly payroll; and (7) Perform workforce analysis.

Accomplishments: (1) Two-year look-back (assessment, determination, and accomplishments); (2) Successful implementation of 2016 Red Carpet Onboarding pilot; (3) Key staffing hires; (4) Integration of Workforce Planning into HRS; and (5) Workforce development efforts.

Biennial Budget Priorities: (1) Building an effective workforce; (2) Modernizing HRS; and (3) Strengthening Business Partner model.

Challenges: (1) Inadequate metrics to provide big picture; (2) Antiquated processes; and (3) Maintain SFPYUC relevance and competitiveness.

She discussed HRS strategic initiatives that are underway and summarized key budget requests: (1) Efficiency and technology; (2) EWP Consulting, and (3) Health and safety support.

Operating Budget: (1) Uses of funds FY 2018, 1019 and FY 2020; (2) Total budget; and (3) Total full-time authorized positions.

Ms. Charan responded to a question from President Kwon regarding succession planning for the pending retirement wave.

Commissioner Vietor thanked Ms. Charan for HRS efforts to ensure greater technological efficiencies. She asked that additional efficiencies be sought to achieve greater savings and asked to hear about those at some point.

Chair Caen commended Ms. Charan and her team for their work.

***Emergency Planning and Security (EPS)**: Director Mary Ellen Carroll began with a review of the EPS organizational chart and presented on the following:*

Core Functions: (1) Emergency plan creation and revisions; (2) Trainings and exercises; (3) Incident response; (4) Security System administration; (5) Vulnerability and risk assessment; and (6) Regulatory compliance.

Performance Metrics: (1) Held 12 trainings and exercises; (2) Responded to or supported seven activations of the Incident Command Center (ICS); and (3) Tracked and responded to 97 security-related incidents.

Accomplishments: (1) Activated ICS for Mountain Tunnel Shutdown; (2) Revised SFPUC Continuity of Operations Plan; (3) Implemented security system improvements at Wastewater Enterprise (WWE) facilities; (4) Created SFPUC Drone Use Policy; (5) Participated in first successful NERC/WECC audit at HHWP; and (6) Implemented turnstile program at 525 Golden Gate.

Biennial Budget Priorities: (1) Update, implement, and exercise emergency plans; (2) Increase emergency response training for field staff; (3) Maintain SFPUC security system and infrastructure; (4) Establish security baseline Level of Service (LOS); (5) Effectively manage contractor assistance to SFPUC facilities; and (6) Support field logistics and construction design for Sewer System Improvement Program (SSIP).

Challenges: (1) Resource availability for emergency planning trainings and exercise execution; (2) WWE security system management, maintenance and improvement; (3) Homeless encampments and increased law enforcement related activities at SFPUC property; (4) F$P execution of contracts for security integrators; (5) WECC/NERC compliance requirements for HHWP security regulations; and (6) Resource availability for implementation of new security systems throughout the Water and Wastewater Enterprises.

Ms. Carroll responded to questions from Chair Caen on how the SFPUC interacts with Urban Areas Security Initiative, and regarding security measures at Moccasin and Hetch Hetchy.

CFO Sandler and Ms. Carroll responded to a question from President Kwon regarding risk management.

Real Estate Services (RES): *Assistant Director Tony Bardo began with a review of the RES organizational chart and presented on the following:*

Core Functions: (1) Maximize revenues; (2) Serve SFPUC Enterprises; and (3) Safeguard SFUC assets.

Performance Metrics: (1) Generated approximately $13M in real estate lease and license revenue; and (2) Negotiated over 63 new agreements.

Accomplishments: (1) Generated $9,845,000 in proceeds from the sale of underutilized Water Enterprise property; and (2) Completed the $9,100,000 purchase of the Rollins Road property.

Biennial Budget Priorities: (1) Maximize revenues through reassessment of SFPUC real estate fee structure to meet industry standards and recover the cost of SFPUC staff time; (2) Increase efficiency through evaluation and revising policies to streamline review and approval of new proposals and make use of limited resources; (3) Serve enterprise and capital programs; and (4) Implement workforce succession planning.

Challenges: (1) Increased volume and complexity of third-party proposals for use of SFPUC pipeline right-of-way property outside of San Francisco; (2) Increased development activity near SFPUC property has increased unauthorized encroachments on SFPUC property; (3) Increases in property value has caused deep resistance by SFPUC tenants against paying fair market rates, causing longer lease negotiations; and; (4) Limited staff resources impede the ability to update existing expired and below market agreements.

Mr. Bardo responded to a question from Commissioner Vietor regarding the core function and a budget priority of maximizing revenues, versus generating revenue.

Mr. Bardo responded to a question from Commissioner Vietor regarding underutilized property. GM Kelly provided additional response. Brief discussion ensued.

Public Comment

- *Mr. David Pilpel provided thoughts on the HRS presentation. He stated he understands the need for upgrade in systems but is not sold on the technology. He discussed types of risks that need to be addressed; workforce development; and the need to manage issues.*

The Commissioner recessed at 10:27 AM and at 10:38 AM.

ii. ***Business Services**: CFO Sandler reviewed: (1) Mission and Vision; (2) Functional areas (Customer Service; Financial Services; Fleet Management; Information Technology (IT) Services and Internal Controls; and (3) Organizational chart. Members of the management team (Marge Vizcarra, Ken Salmon, Nancy Hom, and Charles Perl) introduced themselves and summarized their functions. He presented on the following:*

Performance Targets in the areas of: (1) Customer Service; (2) IT Systems; (3) Financial Services; and (4) Assurance and Internal Controls (AIC).

Accomplishments – Customer Service: (1) Billed and collected over $855 in revenues; (2) Responded to over 127K customer calls; (3) Implemented fractional billing; (4) Implemented and upgraded key technology; (5) Continued employee development; and 6) Supported key SFPUC projects and programs.

Priorities – Customer Service: (1) Meet critical service level targets; (2) Continued employee development; (3) Meet needs of growing power customer base; and (4) Support key SFPUC projects and programs.

Ms. Vizcarra responded to a question from President Kwon as to whether there is utilization of "live chat" for the Power Enterprise (CleanPowerSF).

Accomplishments – IT: (1) Achieved high customer satisfaction (93%); (2) Supported and maintained extensive system inventory; (3) Enhanced IT security; (4) Focused on disaster recovery and business continuity; and (5) Deployed valuable new solutions to customers.

Priorities - IT: (1) Continue to meet critical service levels; (2) Focus on information security and continuity of operations; (3) Allocate resources to

deliver more value to the organization; (4) Effective deployment of critical new systems/upgrades; and (5) Maximo enhancements.

Accomplishments – Financial Services: (1) Achieve engagement in citywide financial system replacement; (2) Clean annual financial audits for all three enterprises; (3) Managed high level of capital financing activities; (4) Managed high level of rate and budget activities; and (5) Managed and staffed oversight activities.

Priorities – Financial Services: (1) Ensure continuity of accounting operations and financial reporting with transition to PeopleSoft financials; (2) Manage and execute capital financing activities; (3) Manage rate and charge activities; and (4) Support CleanPowerSF citywide rollout.

Accomplishments – AIC: (1) Managed all SFPUC activities for Financial System (F$P) Replacement Project; (2) Managed and facilitated extensive Annual Audit Plan; (3) Recovered additional $1.7M in Rim Fire property insurance reimbursement; (4) Enterprise Risk Management implementations for Power Enterprise and Managed high level of rate and budget activities; and (5) CleanPowerSF.

Priorities – AIC: (1) Manage SFPUC efforts in the citywide F$P Project; (2) Additional resources for IT address increased software licensing cost and Maximo/asset management; and (3) Additional resources for financial advisory services.

CFO Sandler provided a summary of the FY 2019 and FY 2020 budget request, and reviewed: (1) Uses of Funds (FY 2018, FY 2019 and FY2020); (2) Total Budget (FY 2018, FY 2019 and FY2020); and (3) Total authorized full-time positions.

Commissioner Vietor expressed appreciation for Business Services work and for efforts toward clean energy financing programs.

CFO Sandler responded to a question from Chair Caen regarding position reassignments.

Chair Caen commented on bonding efforts and congratulated CFO Sandler. She also indicated that SFPUC customer service staff is excellent and very responsive.

Public Comment

- *David Pilpel congratulated customer service for their excellent work. He requested that field staff visit customers on a periodic basis to provide information regarding available services. He discussed IT procurement, security, and citywide relationships.*

External Affairs (EA): *Juliet Ellis, AGM External Affairs, began with a review of the EA's Mission and Core Values (collaboration, leadership and innovation, accountability, and impact). She discussed the reach of EA functions throughout the SFPUC system and provided highlights of certain outreach efforts, and reviewed:*

Core Business Lines: (1) Policy and Government Affairs (PGA); (2) Community Benefits; (3) Communications; and (4) Strategic Initiatives. She reviewed EA's organizational chart and outlined the following:

Performance Metrics: (1) PGA (took action on 30 State bills and protected SFPUC's interests; and 73 legislation items approved by the Board of Supervisors and Mayor); (2) Community Benefits (1,475 Workforce Development Program Participants; and 500 unique eco-literacy lessons taught to 6,900 students); (3) Communications (1,500 drains adopted via "Adopt a Drain" campaign; and 4,000 media mentions); and (4) Strategic Initiatives (47 sustainability metrics reported to the Controller).

Accomplishments – PGA: (1) SB 649 vetoed by Governor; (2) CCA legislative strategy and coalition building; (3) WALA and Federal Water Workforce Grant Program; and (4) SSIP legislation and biosolids.

Accomplishments – Community Benefits: (1) Hummingbird Garden opened; (2) Jewish Vocational Services/Baywork report; (3) Story of Poo; and (4) Biodigesters Environmental Justice analysis.

President Kwon commented on the collaboration with the California Academy of Sciences on the "Story of Poo". Commissioner Vietor provided additional comments on the success of EA's educational efforts.

Accomplishments – Communications: (1) Adopt a Drain; (2) Annual financial reporting; (3) CleanPowerSF; and (4) One Water documentary.

AGM Ellis reviewed: (1) Earned media; (2) Strategic initiatives accomplishments (Strategic Plan implementation and Golden Pride awards); and (3) FY 2019 and FY2020 priorities for PGA, Community Benefits, Communications, and Strategic Initiatives.

AGM Ellis touched on challenges and continued with a review of the operating budget request: (1) Budget request summary; (2) Use of Funds (FY 2018, FY 2019, and FY 2020); (3) Total Budget (FY 2018, FY 2019 and FY2020); and (4) Total authorized full-time positions.

Commissioner Vietor asked that a qualitative aspect be added to the educational efforts. She discussed the challenges to reach staff not located at the SFPC headquarters.

Chair Caen requested that renderings the Arts Master Plan be presented to the Commission prior to any decisions. She congratulated AGM Ellis on the scope of work of and services of EA.

Public Comment:

- *David Pilpel noted there has large numbers of staff turnover in the past few years and expressed concern with the ability to retain staff in legislative affairs and communications.*

The Commission recessed for lunch at 12: 17 PM and reconvened at 12:25 PM.

iii. *Infrastructure: Kathy How, AGM Infrastructure, began with a discussion of Infrastructure's Mission, and roles and responsibilities. She outlined the 10-year capital and two-year budget approval process for on-going capital work; discussed the organizational chart; and introduced management staff. She covered direct vs. indirect staff charges; current workload; and workload comparison.*

She reviewed the Capital Improvement Project (CIP) cost, duration, start and end date, and completion status, and offered a staffing plan. She indicated for the WSIP there are 87 projects in seven counties; $4.8B; with completion August 2021.

WSIP Accomplishments: (1) Over 95% completion; (2) Completed 96% shutdowns with no loss of water service; (3) Achieved 93% LOS goals; Created jobs and provided jobs training; (4) Exemplary safety record; and (5) No outstanding litigation. She noted the Calaveras Dam Replacement and the Regional Groundwater Storage and Recovery Projects.

WSIP Priorities: (1) Completed construction (Calaveras Dam Replacement; Regional Groundwater Storage and Recovery; Alameda Creek Fish Passage Facilities; Bioregional Habitat Restoration; and JOC closeout projects); and (2) Complete environmental approval process for the Alameda Creek Recapture Project.

Hetchy Capital Accomplishments: (1) Seven of 22 Hetchy CIP completed; (2) Successful Mountain Tunnel shutdown; and (3) Continued Rim Fire cost reimbursement efforts with insurance, FEMA, and Cal OES. She noted the Mountain Tunnel Access Improvement and interim repairs.

Hetchy Capital Priorities: (1) Implement HHWP's priorities for improvements to existing infrastructure and assets including: Mountain Tunnel interim repair; Cherry Dam Outlet works rehabilitation; O'Shaughnessy Dam Outlet work; San Joaquin Pipeline (SJPL) rehabilitation; SJPL valve and safe entry improvement; and Priest and Moccasin water transmission line.

Water Capital Accomplishments: (1) Nine of 34 Water CIP completed; (2) Completed construction of four San Francisco ground wells; (3) Completed water storage tanks in the Town of Sunol; (4) Awarded second construction contract for Westside Recycled Water (WRW); (5) Approval of the State Revolving Fund for WRW; (6) 80% construction completion of Peninsula Pipeline Seismic Upgrade Phase III; and (7) Steady progress on construction of the Sunol Long Term Improvements. She noted the Westside Well Station and Water Storage Tanks in the Town of Sunol.

Water Capital Priorities: (1) Completion of construction of Sunol Yard Improvements and Peninsula Pipeline Seismic Upgrade Phase III; (2) Advertise for third construction contract for Westside Recycled Water; and (3) Improvements at the Sunol Valley Water Treatment Plant to manage taste and odor issues and disinfection by products (short and long-term).

AWSS Accomplishments: Started in 2011. Completed 16 projects including: Candlestick Point Pipeline; Jones Street Valves Pipeline; Cisterns A, B, C, D, and E; Ashbury Heights Tank; Twin Peaks Reservoir; Jones Street Valves; and Pipeline repairs. She noted the Pump Station #1 new pump engine and the Laguna Hospital Cistern.

AWSS Priorities: (1) Complete construction of Cistern F and Pump Station HQ building; (2) Start construction of Pump Station 2; (3) Complete design of several pipeline projects; and (4) Bid/award 19th Avenue AWSS pipeline and street valves motorization projects.

AGM How reviewed SSIP Phase I projects; Cost summary; project locations; accomplishments; and major Southeast Plant (SEP) projects.

AGM How discussed the SEP Biosolids Digester Facilities budget ($1.2B) and current status and showed renderings. She then reviewed:

SSIP Priorities: (1) SEP New Headworks Replacement Project; (2) Completion of EIR process and design for Biosolids Digester Facilities Project; (3) Complete 35% design for the Central Bayside System Project; and (4) Complete construction of additional green infrastructure projects.

Bay Corridor Transmission Distribution (BCTD) Accomplishments: Started in November 2015. As of June 2017 created overall distribution system alignment plan; investigated geotechnical conditions; investigated HDPE duct

bank under ISLAS Creek; awarded design-build contract for new electrical duct bank; and planned electrical duct bank. AGM How described the BCTD area map.

(BCTD) Priorities: (1) Complete design and construction for vaults and duct banks; (2) Bid, award and construct electrical duct bank; and (3) Install conductors and equipment to serve initial BCTD customers.

Infrastructure Division Organizational Priorities: (1) Project Management; (2) Engineering Management; (3) Project Administration; (4) Construction Management; and (5) Program and project controls.

Infrastructure Division Organizational Challenges: (1) Interagency Coordination of In-City projects; and (2) Reconciliation of costs and quarterly reporting.

AGM How reviewed the operating budget request: (1) Total Infrastructure Budget; (2) Use of Funds (FY 2018, FY 2019, and FY 2020); and total authorized full-time positions.

Public Comment:

- *David Pilpel commented on the work of the Infrastructure Division and thanked staff for their work.*

5. Follow-up discussion from the January 18 and 25, 2018 Budget Hearings
   None.

6. Adjournment
   Chair Caen adjourned the meeting at 1:05 PM.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, February 13, 2018
NOTE: Different Room Location

1:30 P.M.`
1 Dr. Carlton B. Goodlett Place
City Hall, Room 416
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 416, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 71-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.0761. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based prducts. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / ควา"มชว่ ยเหลอื ท"างภ"ษ"าโดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes
   a) January 18, 2018 Special Budget Hearing #1
   b) January 23, 2018 Regular Meeting
   c) January 25, 2018 Special Budget Hearing #2
   d) February 1, 2018 Special Budget Hearing #3

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Sewer Inspection and Replacement Update
   e) Summary of Budget Hearing Questions
   f) Water System Improvement Program (WSIP) Status of Construction Change Orders

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Water Enterprise Capital Improvement Program Quarterly Reports (How)
   c) WSIP Quarterly Reports: Local and Regional Project (How)
   d) Report on Recent San Francisco Public Utilities Commission (SFPUC) Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in*

which event the matter will be removed from the Calendar and considered as a separate item.

a) Approve Amendment No. 1 to **Agreement No. CS-294.I**, Confined Space Rescue Training, with Enviro Safetech, Inc., to provide confined space rescue trainings to SFPUC employees; and authorize the General Manager to execute this amendment, increasing the agreement amount by $30,000, and extending the agreement duration by one year and two months, for a total not-to-exceed agreement amount of $58,000, and a total duration of four years and two months. (Carlin)

180015

b) Approve increase to the existing contract duration contingency in the amount of 56 consecutive calendar days for **Contract No. HH-982**, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins; and authorize the General Manager to approve future modifications to the contract duration of up to 650 consecutive calendar days (approximately one year and nine months), with no change to the contract amount. (How)

180016

c) Approve the plans and specifications, and award **Contract No. HH-990R**, Moccasin Penstock Rehabilitation, in the amount of $6,858,300, to the lowest, qualified, responsible and responsive bidder, Anvil Builders, to perform penstock rehabilitation measures to enhance the reliability of the penstocks. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180017

d) Award **Agreement No. PUC.PRO.0073**, Treasure Island Wastewater Treatment Plant and Recycled Water Facility Engineering Services; Approve the selection of Carollo Engineers, Inc., to provide planning and design services for the proposed Treasure Island Wastewater Treatment Plant and Recycled Water Facility; and authorize the General Manager to negotiate and execute a professional services agreement for a total amount not-to-exceed $4,800,000, with a duration of five years. (How)

180018

e) Approve an increase to the existing contract duration contingency of up to 180 consecutive calendar days (approximately six months), for **Contract No. WD-2686**, Auxiliary Water Supply System Pumping Station No. 1 Improvements; and authorize the General Manager to approve future contract modifications to the contract for a total contract duration of up to 1,438 consecutive calendar days (approximately three years, 11months), with no change to the contract amount. (How)

180019

f) Approve an increase to the existing construction contract duration contingency in the amount of 150 consecutive calendar days (approximately four months), for **Contract No. WD-2747**, Auxiliary Water Supply System – New Cisterns F; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration of up to 623 consecutive calendar days (approximately one year, eight months), with no change to the contract amount. (How)

180020

located at the SEP; and authorize the General Manager to negotiate and execute a professional services agreement with Parsons for an amount not-to-exceed $35,000,000, and with a duration of 10 years, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (How)

16. Affirm that the conditions necessary to procure energy supply needed to **expand the CleanPowerSF program** have been met; direct the General Manager to continue to take all steps necessary to pursue expansion of CleanPowerSF service; and approve **revisions to the CleanPowerSF Supply Management Policy and CleanPowerSF Reserves Policy**. (Hale)

180028

17. Public Comment on matters to be discussed during Closed Session.

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

The Commission will go into Closed Session to discuss the following items:

CLOSED SESSION

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action item) (Hannawalt)

180029

Elvin I. Smith v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-558134
Date Filed: 04/12/17
Proposed Settlement: $500,000 payable to Plaintiff and Plaintiff's release of all claims

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2) (discussion only) (Milstein)

Anticipated Litigation: _____1_____ as Defendant _____ as Plaintiff

Following Closed Session, the Commission will reconvene in Open Session

21. Announcement following Closed Session.

22. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12 (a).

23. Other New Business. (discussion only)

24. Adjournment

g) Approve an increase to the existing construction contract duration of an additional 125 consecutive calendar days (approximately four months), for **Contract No. WW-638**, Griffith Yard Improvements; and authorize the General Manager to approve modifications to the contract to increase the total contract duration from 480 days (approximately one year, four months), to up to 605 consecutive calendar days (approximately one year, eight months), with no change in contract amount. (How)

180021

REGULAR SESSION

9. Presentation and discussion of **Draft 100-Year Storm Flood Risk Information Map** to provide property owners and prospective buyers' information about the likelihood that flooding will occur during a 100 year storm event on a particular property. (Henderson)

10. Discussion and possible action to adopt the **Biennial Operating and Programmatic Project Budgets** for the Enterprises and Bureaus under the jurisdiction of the SFPUC for FY 2018-19 and FY 2019-20. (Sandler)

180022

11. Discussion and possible action to adopt the **two-year Capital Budget** of the SFPUC; Authorize the General Manager to seek approval for **Supplemental Appropriations** for the SFPUC Enterprises for FY 2018-19 and FY 2019-20; and authorize the General Manager to submit to the Board of Supervisors proposed Ordinances authorizing the issuance of: (1) $496,677,886 aggregate principal amount of Water Revenue Bonds and other forms of indebtedness, including commercial paper and State Revolving Fund (SRF) loans, and $982,843,065 aggregate principal amount of Wastewater Revenue Bonds and other forms of indebtedness, including commercial paper and SRF loans, subject to the terms of Proposition E (approved by the voters November 2002); and (2) $154,928,059 aggregate principal amount of Power Revenue Bonds and other forms of indebtedness, including commercial paper and loans, subject to the terms of Charter Sections 9.107(6) and 9.107(8). (Sandler)

180023

180024 12. Discussion and possible action to adopt the SFPUC **10-Year Capital Plan** for FY 2018-19 through FY 2027-28. (Sandler)

180025 13. Discussion and possible action to adopt the SFPUC **10-Year Financial Plan** for FY 2018-19 through FY 2027-28. (Sandler)

14. Approve Amendment No. 2 to **Agreement No. CS-200**, Right-of-Way Services, with Associated Right-of-Way Services, Inc., to provide continued right-of-way services for SFPUC capital program and other projects; and authorize the General Manager to negotiate and execute this amendment, extending the agreement term by two years and five months, for a total agreement duration of nine years, with no change to the agreement amount. (How)

180026

15. Approve the selection of Parsons Water & Infrastructure Group, Inc.; Award **Agreement No. PRO.0104**, Southeast Water Pollution Control Plant (SEP) Program Construction Management (CM) Services, to provide program-level CM oversight and supervision for the SSIP Phase 1 construction projects

180027

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, February 13, 2018
(Approved February 27, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 416
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:30 PM.

2. Roll Call
   Present: Kwon, Courtney and Moran
   Excused: Caen
   Commissioner Vietor arrived at 1:36 PM

3. Approval of the Minutes
   a) January 18, 2018 Special Budget Hearing #1
   b) January 23, 2018 Regular Meeting
   c) January 25, 2018 Special Budget Hearing #2
   d) February 1, 2018 Special Budget Hearing #3

   On Motion to approve the Minutes of January 18, 23, 25, and February 1:
   Ayes: Kwon, Courtney and Moran

   No public comment.

4. General Public Comment
   - *Bonnie Ora Sherk spoke about the Islais Creek Watershed; Flood mitigation opportunities; Climate change; and the Triple Bottom Line.*

   Commissioner Vietor arrived at 1:36 PM.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Sewer Inspection and Replacement Update
   e) Summary of Budget Hearing Questions
   f) Water System Improvement Program (WSIP) Status of Construction Change Orders

   No public comment.

6. Other Commission Business
   None.

7. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment: 80,500 customer sites served; 3.2 percent opt-out rate; 4.1 percent SuperGreen upgrade rate; next small enrollment in April (230 accounts to be added); (2) Legislative: BOS Ordinance delegating limited authority to the GM to enter into supply contracts was adopted by the Board and signed by Mayor Farrell in January; California CCA lobbying day was held January 25-26, with 16 California CCA members participating; and (3) Regulatory: PCIA (PG&E exit fee) is under review and reform at the

California PUC (CPUC) with hearings upcoming. AGM Hale provided an update of the Adequacy Resolution that is before the CPUC.

No public comment.

b) Water Enterprise Capital Improvement Program (CIP) Quarterly Reports
Dan Wade, Director Water Capital Projects and Programs, provided the Water Enterprise CIP Quarterly report, beginning with a discussion of variances noted in the report.

He provided highlights of the reporting period: (1) Sunol Yard Administration Building; (2) Sunol Valley Water Treatment Plant (SVWTP); (3) San Andreas Pipeline No. 2; and (4) Local water projects. He discussed Sunol long-term improvements and touched again on the SVWTP. He reviewed City Distribution Division's water main replacement mileage and historic and projected rates.

Mr. Wade responded to a question from Commissioner Vietor regarding the Calaveras Micro-Turbine Project. She asked that additional information on the project be provided.

No public comment.

c) WSIP Quarterly Reports: Local and Regional Project
Director Wade reviewed WSIP achievements, noting SFPUC Engineer Susan Hou who was recognized by Engineering News Record as a top 25 Newsmakers, 2017. Other achievements included: (1) Calaveras Dam replacement; (2) Fish Passage at Alameda Creek Diversion Dam; (3) New Irvington Tunnel and seismic upgrade of Bay Pipelines 3 and 4; and (4) Regional Groundwater Storage and Recovery.

Mr. Wade discussed key remaining WSIP challenges and risks; provided a status update of the Calaveras Dam replacement, Fish Passage at Alameda Creek Diversion Dam, Bioregional Habitat Restoration, and WSIP close-out projects. He concluded with a review of the WSIP cost and schedule forecast.

On behalf of the Commission, Commissioner Moran congratulated Ms. Hou on her achievement.

Public Comment

- *Tom Francis, Water Resources Manager, BAWSCA, provided comments on the WSIP timeline extension and budget increase. He discussed BAWSCA's desire to extend AB1823, and indicated the WSIP budget needs to be reviewed given the problems with the new city financial system (F$P).*

d) Report on Recent San Francisco Public Utilities Commission (SFPUC) Activities, Events and Announcements

GM Kelly thanked Commissioner Vietor for attending the CCA rally. He notified the Commission of the unexpected death of Mr. Ron Miller, Water Quality Division Lab Manager. He summarized Mr. Miller's exceptional career and important work and stated he will be missed.

On behalf of the Commission, Commissioner Vietor sent her condolences to Mr. Miller's family and colleagues.

8. *Consent Calendar:*

a) Approve Amendment No. 1 to Agreement No. CS-294.I, Confined Space Rescue Training, with Enviro Safetech, Inc., to provide confined space rescue trainings to SFPUC employees; and authorize the General Manager to execute this amendment, increasing the agreement amount by $30,000, and extending the agreement duration by one year and two months, for a total not-to-exceed agreement amount of $58,000, and a total duration of four years and two months. (Resolution 18-0015)

b) Approve increase to the existing contract duration contingency in the amount of 56 consecutive calendar days for Contract No. HH-982, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins; and authorize the General Manager to approve future modifications to the contract duration of up to 650 consecutive calendar days, with no change to the contract amount. (Resolution 18-016)

c) Approve the plans and specifications, and award Contract No. HH-990R, Moccasin Penstock Rehabilitation, in the amount of $6,858,300, to the lowest, qualified, responsible and responsive bidder, Anvil Builders, to perform penstock rehabilitation measures to enhance the reliability of the penstocks. This action constitutes the Approval Action for the project for the purposes of CEQA pursuant to Section 31.04(h) of the SF Administrative Code. (Resolution 18-0017)

d) Award Agreement No. PUC.PRO.0073, Treasure Island Wastewater Treatment Plant and Recycled Water Facility Engineering Services; Approve the selection of Carollo Engineers, Inc., to provide planning and design services for the proposed Treasure Island Wastewater Treatment Plant and Recycled Water Facility; and authorize the General Manager to negotiate and execute a professional services agreement for a total amount not-to-exceed $4,800,000, with a duration of five years. (Resolution 18-0018)

e) Approve an increase to the existing contract duration contingency of up to 180 consecutive calendar days, for Contract No. WD-2686, Auxiliary Water Supply System (AWSS) Pumping Station No. 1 Improvements; and authorize the General Manager to approve future contract modifications to the contract for a total contract duration of up to 1,438 consecutive calendar days, with no change to the contract amount. (Resolution 18-0019)

f) Approve an increase to the existing construction contract duration contingency in the amount of 150 consecutive calendar days, for Contract

No. WD-2747, AWSS – New Cisterns F; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration of up to 623 consecutive calendar days, with no change to the contract amount. (Resolution 18-0020)

g) Approve an increase to the existing construction contract duration of an additional 125 consecutive calendar days, for Contract No. WW-638, Griffith Yard Improvements; and authorize the General Manager to approve modifications to the contract to increase the total contract duration from 480 days, to up to 605 consecutive calendar days, with no change in contract amount. (Resolution 18-0021)

On Motion to approve the Consent Calendar:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

9. Presentation and discussion of Draft 100-Year Storm Flood Risk Information Map to provide property owners and prospective buyers' information about the likelihood that flooding will occur during a 100 year storm event on a particular property.
Brian Henderson, interim AGM, Wastewater, introduced the item and Stefani Harrison who provided the presentation.

Ms. Harrison began with a review of Flood Resilience strategy for San Francisco, with a focus on programmatic strategies. She provided: (1) Description and purpose of the 100-Year Storm Flood Risk Information Map; (2) Factors considered in developing the mapping process; and (3) Review of mapping assumptions and methodology - hydraulic and hydrologic model and GIS/mapping process.

Ms. Harrison reviewed planned implementation and next steps: (1) Notification and Outreach; (2) Commission hearing; (3) Disclosure Ordinance; (4) Adoption of final map; and (5) Post final map (following adoption).

Ms. Harrison responded to a question from Commissioner Moran regarding the flood risk impact to homeowners and the availability of flood insurance. Brief discussion ensued regarding flood insurance.

Ms. Harrison responded to a question from Commissioner Vietor regarding the use of modeling designations with considerations of climate change. GM Kelly noted the consistency with FEMA 100-Year designations. Brief discussion ensued.

Ms. Harrison responded to Commissioner Vietor's request for clarification regarding the uses and goals of the mapping and disclosure, and availability of grant funds.

GM Kelly and Ms. Harrison responded to a question from Commissioner Vietor regarding the use of the map to inform other SFPUC decisions, such as green infrastructure. Brief discussion ensued.

No public comment.

The Commission Secretary called items 10, 11, 12 and 13 together.

Eric Sandler, CFO and AGM Business Services, recapped the work done at the budget hearings, which were held in January and February. He noted that all questions and answers from the hearings were recorded and responses to those questions have been provided.

He discussed two items of importance that were emphasized at the hearings: (1) Green Infrastructure – acceleration of green infrastructure grant program targeting schools and parks in advance of storm water charge. He stated that as a result of those discussions, funds have been shifted in the Capital Budget and that the resolution has been amended to reflect the change; and (2) Workforce Development Pathways – Water: implement pre-apprentice and apprenticeship program for general laborers and gardeners; Wastewater – add eight-week rotation at Gleneagles Training Academy as part of existing pre-apprenticeship program; and continue to work in collaboration with City-wide partners on the development and implementation of pre-apprentice and apprenticeship programs.

CFO Sandler reviewed the budget items that were before the Commission for consideration. He briefly reviewed budget highlights: (1) Recommended budget results in rate and charge increases in-line with prior 10-year financial plans; (2) Combined water and sewer bill increases which will average eight percent over the next four years; (3) City-wide roll-out of CleanPowerSF is the largest driver of budget increases; and (4) Capital investment drive increases.

10. Discussion and possible action to adopt the Biennial Operating and Programmatic Project Budgets for the Enterprises and Bureaus under the jurisdiction of the SFPUC for FY 2018-19 and FY 2019-20. (Resolution 18-0022)

On Motion to approve Item 10:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

11. Discussion and possible action to adopt the two-year Capital Budget of the SFPUC; Authorize the General Manager to seek approval for Supplemental Appropriations for the SFPUC Enterprises for FY 2018-19 and FY 2019-20; and authorize the General Manager to submit to the Board of Supervisors proposed Ordinances authorizing the issuance of: (1) $496,677,886 aggregate principal amount of Water Revenue Bonds and other forms of indebtedness, including commercial paper and State Revolving Fund

(SRF) loans, and $982,843,065 aggregate principal amount of Wastewater Revenue Bonds and other forms of indebtedness, including commercial paper and SRF loans, subject to the terms of Proposition E (approved by the voters November 2002); and (2) $154,928,059 aggregate principal amount of Power Revenue Bonds and other forms of indebtedness, including commercial paper and loans, subject to the terms of Charter Sections 9.107(6) and 9.107(8). (Resolution 18-0023)

At the request of Commissioner Vietor, AGM Sandler reviewed the red-line changes in the amended resolution: $1M increase to the Wastewater Capital budget in FY18 and FY19; $3M increase to the Wastewater Capital Budget in FY19 and FY20; and a $4M increase to the financing authorization.

Commissioner Moran expressed support for the proposed changes. He indicated he would like a presentation at some point as to how the information gathered through the Green Infrastructure (GI) Pilot Project informs the process for the selection, design, and monitoring of future GI Projects, using the Triple Bottom Line.

Commissioner Vietor expressed appreciation for conversations held on GI. GM Kelly provided additional comment.

Vice President Courtney thanked staff for their work. He discussed trade classifications and stated that pre-apprentice programs are included in all trades, and those programs will allow people to move into apprentice programs.

On Motion to approve Item 11 as amended:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

12. Discussion and possible action to adopt the SFPUC 10-Year Capital Plan for FY 2018-19 through FY 2027-28. (Resolution 18-0024)

On Motion to approve Item 12:
Ayes: Kwon, Courtney, Vietor and Moran

Public Comment:

- *Tom Francis, BAWSCA, indicated a comment letter from BAWSCA was provided to the Commission. He expressed concerns with replacement of San Antonio and Crystal Spring Pipelines and that they are omitted from the 10-Year CIP. He provided clarification on comments provided at the budget hearing regarding workforce needs.*

AGM Ritchie responded to a question from Commissioner Vietor regarding Mr. Francis' comments on the San Antonio and Crystal Springs Pipelines and the CIP.

13. Discussion and possible action to adopt the SFPUC 10-Year Financial Plan for FY 2018-19 through FY 2027-28. (Resolution 18-0025)

On Motion to approve Item 13:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

14. Approve Amendment No. 2 to Agreement No. CS-200, Right-of-Way Services, with Associated Right-of-Way Services, Inc., to provide continued right-of-way services for SFPUC capital program and other projects; and authorize the General Manager to negotiate and execute this amendment, extending the agreement term by two years and five months, for a total agreement duration of nine years, with no change to the agreement amount. (Resolution 18-0026)
Kathy How, AGM Infrastructure, introduced the item noting the request is for time extension only.

On Motion to approve Item 14:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

15. Approve the selection of Parsons Water & Infrastructure Group, Inc.; Award Agreement No. PRO.0104, Southeast Water Pollution Control Plant (SEP) Program Construction Management (CM) Services, to provide program-level CM oversight and supervision for the SSIP Phase 1 construction projects located at the SEP; and authorize the General Manager to negotiate and execute a professional services agreement with Parsons for an amount not-to-exceed $35,000,000, and with a duration of 10 years, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0027)

On Motion to approve Item 15:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

16. Affirm that the conditions necessary to procure energy supply needed to expand the CleanPowerSF (CPSF) program have been met; direct the General Manager to continue to take all steps necessary to pursue expansion of CleanPowerSF service; and approve revisions to the CleanPowerSF Supply Management Policy and CleanPowerSF Reserves Policy. (Resolution 18-0028)

On Motion to approve Item 16:
Ayes: Kwon, Courtney, Vietor and Moran

No public comment.

The Commission read Closed Session items 19 and 20.

17. Public Comment on matters to be discussed during Closed Session
None.

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

On Motion to assert:
Ayes: Kwon, Courtney, Vietor and Moran

The Commission entered Closed Session at 2:53 PM.

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Elvin I. Smith v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-558134
Date Filed: 04/12/17:
Proposed Settlement: $500,000 payable to Plaintiff and Plaintiff's release of all claims (Resolution 18-0029)

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2)
Anticipated Litigation: 1 as Defendant as Plaintiff

The Commission exited Closed Session at 3:02 PM.

21. Announcement following Closed Session

22. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12 (a).

On Motion not to disclose:
Ayes: Kwon, Courtney, Vietor and Moran

23. Other New Business
None.

24. Adjournment
The Commission adjourned at 3:04 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0015**

WHEREAS, The General Manager, pursuant to his authority to enter into contracts of less than $1 million under Resolution No. 09-0017, executed Agreement No. CS-294.I, Confined Space Rescue Training, with Enviro Safetech, Inc. in the amount of $28,000 and with a term of three years, concluding on September 1, 2018, to provide confined space rescue trainings to SFPUC employees with a term of three years and a contract amount of $28,000; and

WHEREAS, Amendment No. 1 is being requested for an additional $30,000 and a time extension of one year and two months, increasing the total not-to-exceed agreement amount to $58,000 and the total agreement duration to four years and two months, in order to continue to provide confined space rescue trainings and train SFPUC workers in permit space entry, fall protection, respiratory protection, and other safety topics; and

WHEREAS, Pursuant to Resolution No. 09-0017, Amendment No. 1 requires Commission approval because it extends the term of the Agreement by more than six months; and

WHEREAS, Pursuant to Chapter 14B.8 of the San Francisco Administrative Code, the San Francisco Contract Monitoring Division (CMD) has waived the Local Business Enterprise (LBE) subconsulting requirement for this Agreement; and

WHEREAS, Funds for this agreement are available from Water Enterprise Operating Funds – Health and Safety; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. CS-294.I, Confined Space Rescue Trainings, with Enviro Safetech, Inc., to continue to provide confined space rescue trainings in permit space entry, fall protection, respiratory protection, and other safety topics, and authorizes the General Manager of the SFPUC to execute this amendment increasing the agreement amount by $30,000, for a total not-to-exceed agreement amount of $58,000, and with a time extension of one year and two months, for a total agreement duration of four years and two months.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0016**

WHEREAS, On April 26 2016, per Resolution No. 16-0066, this Commission approved the award of Hetch Hetchy Capital Improvement Projects funded Contract No. HH-982, Moccasin Facilities Upgrade - Moccasin Shops/Office Building and Materials Bins, to Robert E. Boyer Construction Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for July 25, 2016; and

WHEREAS, The original contract amount was for $9,171,400, and the original contract duration was 540 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, It is requested that this Commission approve an increase in the existing 54-day contract duration contingency in the amount 56 additional consecutive calendar days, to address the modification of building work and perform the LEED commissioning tests, subject to the General Manager's subsequent authorization of modifications, as appropriate; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this contract, and the contractor committed to a LBE participation of 31.2% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUH-10214 Moccasin Facilities – New Construction; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the existing 54-day contract duration contingency in the amount of 56 consecutive calendar days, for the Hetch Hetchy Capital Improvement Projects funded Contract No. HH-982, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins, with Robert E Boyer Construction Inc., increasing the total contract duration contingency to 110 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider, and if appropriate, to approve any future modifications to the contract duration up to 650 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0017**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) Hetchy Capital Improvement Projects (HCIP)-funded Contract No. HH-990R, Moccasin Penstocks Rehabilitation, was advertised on November 6, 2017; and

WHEREAS, The Engineer's Estimate was $6,500,000 to rehabilitate portions of the Moccasin Penstocks by replacing selected steel pipe sections and a penstock bifurcation; constructing a new anchor block at the bifurcation; encasing and repairing other existing concrete anchor blocks; and installing a "roll-out" section of pipe on Penstock U1 to facilitate access for interior inspections, maintenance and repairs; and

WHEREAS, The contract duration is 630 consecutive calendar days; and

WHEREAS, Four (4) bids were received and opened publicly on December 7, 2017; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Anvil Builders Inc., as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this contract, and the contractor committed to a LBE participation of 10.04% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10014088, Moccasin Penstocks Rehabilitation, Infrastructure Division; and

WHEREAS, On April 3, 2017, the Planning Department determined that the Project is exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15301 (Class 1, Existing Facilities), and a copy of such determination is on file with the Commission; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Hetchy Capital Improvement Projects (HCIP)-funded Contract No. HH-990R, Moccasin Penstock Rehabilitation, in the amount of $6,858,300, for a duration of 630 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Anvil Builders Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0018**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires the assistance of a professional engineering firm to perform planning and design services for a proposed Treasure Island Wastewater Treatment Plant & Recycled Water Facility ("Plant"); and

WHEREAS, It is necessary to procure the services of a qualified professional engineering firm to provide specialized services to supplement SFPUC staff; and

WHEREAS, The estimated cost of services is $4,800,000; and

WHEREAS, The Request for Proposals was advertised on October 10, 2017; and

WHEREAS, Services are anticipated to begin in April 2018 and end in April 2023 and the duration of this agreement is five years; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the selection panel evaluations of the proposals and interviews resulted in the determination that Carollo Engineers, Inc. is the highest ranked proposer; and

WHEREAS, CMD established a 10% Local Business Enterprise (LBE) subconsultant participation requirement on this project and Carollo Engineers, Inc. committed to LBE subconsultant participation of 13.5%; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The Request for Proposals solicited services for two phases of work: Phase 1: Planning and Preliminary Engineering and Phase 2: Detailed Design, Procurement and Potential Engineering Construction Support. It is essential that the planning and design be a single cohesive effort that addresses the entire project from planning through facility start-up, should the Commission approve the construction of the Plant; and

WHEREAS, Funds for Agreement No. PUC.PRO.0073, Treasure Island Wastewater Treatment Plant & Recycled Water Facility Engineering Services are available from Wastewater Enterprise Bond Funded Capital Project CWP11001 - Treasure Island Capital Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Carollo Engineers, Inc. and awards capital-funded Agreement No. PUC.PRO.0073, Treasure Island Wastewater Treatment Plant & Recycled Water Facility Engineering Services to provide planning and design services, and authorizes the General Manager of the SFPUC to negotiate and execute a professional services agreement for a total amount not to exceed $4,800,000 and with a duration of five years, or, in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0019**

WHEREAS, On August 12, 2014, per Resolution No. 14-0124, this Commission approved the award of Earthquake Safety & Emergency Response Bond Program-funded Contract No. WD-2686, Auxiliary Water Supply System Pumping Station No. 1 Improvements, to NTK Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was October 20, 2014; and

WHEREAS, The original contract amount was for $7,847,000, and the original contract duration was 580 consecutive calendar days; and

WHEREAS, Sections 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original duration be approved by the Commission; and

WHEREAS, Modification Nos. 1-2 were issued, per Commission Resolution No. 16-0003 on January 12, 2016 and Resolution No. 17-0113 on May 23, 2017 respectively, increasing the contract contingency amount by $2,100,000 and increasing the duration contingency by 620 consecutive calendar days, for a total contract contingency amount of $2,884,000 and a total duration contingency amount of 678 consecutive calendar days; and

WHEREAS, An additional increase to the duration contingency in the amount of 180 consecutive calendar days is requested to allow contractor to install carbon monoxide monitoring systems in Pumping Station 1, with no change to the contract amount, subject to the subsequent authorization of modifications by the General Manager of the San Francisco Public Utilities Commission, if appropriate; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise subcontracting requirement of 16% for this construction contract, and the contractor committed to a LBE subcontracting participation of 19.22% with its bid submittal; and

WHEREAS, Funds are available from Project CUWAWSAW05 - Pump Station No.1; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the contract duration contingency in the amount of 180 consecutive calendar days for the Earthquake Safety & Emergency Response Bond Program-funded Contract WD-2686, Auxiliary Water Supply System Pumping Station No. 1 Improvements, for a total contract duration contingency of 858 consecutive calendar days and no change in contract amount; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to consider, and if appropriate, to approve any future modifications to the total contract duration of up to 1,438 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0020**

WHEREAS, On January 12, 2016, per Resolution No. 16-0005, this Commission approved the award of Earthquake Safety & Emergency Response Bond Program-funded Contract No. WD-2747, Auxiliary Water Supply System (AWSS) – New Cisterns F, to Azul Works, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was April 18, 2016; and

WHEREAS, The original contract amount was for $3,660,225 and the original contract duration was 430 consecutive calendar days, with a duration contingency of 43 days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by this Commission; and

WHEREAS, An increase in duration contingency of 150 additional consecutive calendar days is requested, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting goal of 13% for this construction contract, and the contractor committed to a LBE participation of 29.21% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUWAWSAW07, New Cisterns; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 43-day contract duration contingency in the amount of 150 consecutive calendar days for the Earthquake Safety & Emergency Response Bond Program-funded Contract WD-2747, Auxiliary Water Supply System (AWSS) – New Cisterns F, for a total contract duration contingency of 193 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to approve any future modifications to the total contract duration for up to 623 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Monna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0021**

WHEREAS, On September 13, 2016, per Resolution No. 16-0190, this Commission approved the award of Wastewater Enterprise Capital Improvement Program-funded Contract No. WW-638, Griffith Yard Improvements, to Ranger Pipelines, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was November 2, 2016; and

WHEREAS, The original contract amount was for $10,585,800, and the original contract duration was 240 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On July 25, 2017, per Resolution 17-0169, this Commission increased the total contract amount to $13,232,250 and the total contract duration to 480 consecutive calendar days; and

WHEREAS, An additional increase in the contract duration contingency of 125 consecutive calendar days is now requested, with no change to the contract price contingency, subject to the subsequent authorization of modifications by the General Manager of the San Francisco Public Utilities Commission, if appropriate; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE subcontracting participation of 20% with its bid submittal; and

WHEREAS, Funds are available from Project CWWFAC02, Collection Division Consolidation; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 240-day contract duration contingency in the amount of 125 additional consecutive calendar days for Wastewater Enterprise Capital Improvement Program-funded Contract WW-638, Griffith Yard Improvements, for a total duration contingency of 365 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to consider, and if appropriate, to approve any future modifications to the total contract duration up to 605 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0022

WHEREAS, At public hearings on January 18, January 25, February 1, and February 13, 2018, the General Manager of the San Francisco Public Utilities Commission (SFPUC) and staff presented proposed Biennial Operating and Programmatic Project Budgets for the Water Enterprise, Wastewater Enterprise, and Hetch Hetchy Water and Power (including CleanPowerSF), as well as the SFPUC Support Bureaus; and

WHEREAS, The detailed operating and programmatic budgets for each Enterprise and Bureau presented to the Commission at the public hearings on January 18, January 25, and February 1, 2018 are on file with the Commission Secretary and incorporated herein by reference, and the summary of the budgets presented on February 13, 2018 is attached hereto; and

WHEREAS, The SFPUC proposed Biennial Operating and Programmatic Project Budgets must be submitted to, and approved by the Mayor and the Board of Supervisors, pursuant to Charter Section 9.101; now, therefore, be it

RESOLVED, This Commission hereby approves FY 2018-19 and FY 2019-20 Operating Budgets as presented by the General Manager at the hearings on January 18, January 25, February 1, and February 13, 2018, as follows:

Operating	**FY 2018-19**	**FY2019-20**
Water Enterprise	$ 541,408,170	$ 570,209,142
Wastewater Enterprise	337,536,337	355,739,488
Hetchy Power	147,627,389	147,439,843
Hetchy Water	65,332,217	67,667,118
CleanPowerSF	166,075,111	261,058,139
Subtotal	**$ 1,257,979,224**	**$ 1,402,113,730**
Support Bureaus	$ 178,058,456	$ 184,080,063
Bureau Recoveries	(96,003,955)	(99,012,076)
Project Recoveries, Infrastructure	(82,054,501)	(85,067,987)
Total SFPUC	**$ 1,257,979,224**	**$ 1,402,113,730**

; and, be it,

FURTHER RESOLVED, That this Commission hereby approves FY 2018-19 and FY 2019-20 Programmatic Project Budgets as presented by the General Manager at the hearings on January 18, January 25, February 1, and February 13, 2018, as follows:

Programmatic Projects	**FY 2018-19**	**FY 2019-20**
Water Enterprise	$ 29,323,000	$ 32,154,000
Wastewater Enterprise	6,788,600	6,443,763
Hetchy Power	7,838,200	7,793,720
Hetchy Water	6,441,000	6,517,000
Total	**$ 50,390,800**	**$ 52,908,483**

; and, be it

FURTHER RESOLVED, That this Commission authorizes the General Manager to submit the above-referenced Biennial Operating Budgets and Programmatic Project Budgets to the Mayor and the Board of Supervisors for approval; and be it

FURTHER RESOLVED, That the General Manager is authorized to make further technical adjustments to these approved amounts as may be necessary or upon further direction from the Commission; and, be it

FURTHER RESOLVED, That the General Manager is authorized to adjust salaries in accordance with amendments to the Annual Salary Ordinance and mandatory fringe benefits in accordance with the Controller's instructions; and, be it

FURTHER RESOLVED, That the budget estimates shall be filed with the Controller in accordance with the provisions of the San Francisco Charter Article IX and Administrative Code Chapter 3. Copies of the approved budget are on file in the office of the Commission Secretary; and, be it

FURTHER RESOLVED, That, as required by the Commission-adopted Ratepayer Assurance Policy of 2017, the Commission finds that the SFPUC's budget requests for FY 2018-19 and FY 2019-20 are within the projected inflation rate over the next two fiscal years, except in those certain areas of the Water Enterprise, Hetchy Power Enterprise, and CleanPowerSF identified in the staff presentation to the Commission at the public hearing on January 25, 2018, a copy of which is on file with the Commission Secretary.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0023

WHEREAS, The General Manager of the San Francisco Public Utilities Commission (SFPUC) and staff presented the proposed FY 2018-19 and FY 2019-20 Capital Budget for the Water Enterprise, Wastewater Enterprise and Hetch Hetchy Water & Power, including the Power Enterprise ("Capital Budget") to the Commission at public hearings held on January 18, and 25, and February 1, 2018, and copies of those presentations are on file with the Commission Secretary and incorporated herein by reference; and

WHEREAS, The proposed FY 2018-19 and FY 2019-20 Capital Budget must be submitted to, and approved by the Mayor and the Board of Supervisors; and

WHEREAS, The SFPUC General Manager recommends that the Commission request a supplemental appropriation for the capital expenditures presented in the proposed FY 2018-19 and FY 2019-20 Capital Budget to timely implement public repairs and improvement projects; and

WHEREAS, Subsequent approvals of projects to be funded through this Capital Budget would only be granted following the consideration of environmental review pursuant to the California Environmental Quality Act (CEQA),Administrative Code Chapter 31, and Proposition E (approved by the voters in 2002 for Water and Wastewater projects) by this Commission; and

WHEREAS, This Commission has considered the proposed FY2018-19 and FY2019-20 Capital Improvement Program Budgets for the Water Enterprise, Wastewater Enterprise, and Hetch Hetchy Water and Power, including the Power Enterprise, which total $1,023,521,934 for FY 2018-19 and $826,867,897 for FY 2019-20; now, therefore, be it

RESOLVED, That this Commission hereby adopts the proposed FY2018-19 and FY2019-20 SFPUC Capital Improvement Program Budgets for the Water Enterprise, the Wastewater Enterprise, and Hetch Hetchy Water and Power, including the Power Enterprise as presented at the public hearings on January 18, January 25, and February 1, 2018 and in the agenda item for the February 13, 2018 Commission meeting, and authorizes the General Manager to request the Mayor to recommend to the Board of Supervisors a supplemental appropriation, including financing costs, in the amount of $1,141,450,922 to fund FY 2018-19 and $917,118,237 to fund FY 2019-20 as follows:

FY 2018-19 Capital Budget	**Amount**	**Financing Costs**	**Total**
Wastewater Enterprise	$ 632,376,182	$ 74,087,312	$ 706,463,494
Water Enterprise	264,349,000	30,111,143	294,460,143
Hetchy Water	65,298,000	4,141,236	69,439,236
Hetchy Power	61,498,752	9,589,297	71,088,049
Total	$ 1,023,521,934	$ 117,928,988	$ 1,141,450,922

FY 2019-20 Capital Budget	**Amount**	**Financing Costs**	**Total**
Wastewater Enterprise	$ 461,855,500	$ 48,768,071	$ 510,623,571
Water Enterprise	187,715,000	19,200,000	206,915,000
Hetchy Water	113,266,000	8,632,357	121,898,357
Hetchy Power	64,031,397	13,649,912	77,681,309
Total	$ 826,867,897	$ 90,250,340	$ 917,118,237

FURTHER RESOLVED, That the General Manager of the SFPUC is authorized to make further technical adjustments to these approved amounts as may be necessary, or upon further direction from the Commission; and, be it

FURTHER RESOLVED, The General Manager is hereby authorized and directed to submit to the Board of Supervisors proposed Ordinances authorizing the issuance of (1) not to exceed $496,677,886 aggregate principal amount of Water Revenue Bonds and other forms of indebtedness, including commercial paper and State Revolving Fund(SRF) loans, and $986,843,065 aggregate principal amount of Wastewater Revenue Bonds and other forms of indebtedness, including commercial paper and SRF loans, under the terms of Proposition E (approved by the voters November 2002); and (2) $154,928,059 aggregate principal amount of Power Revenue Bonds and other forms of indebtedness, including commercial paper and loans, subject to the terms of Charter Sections 9.107(6) and 9.107(8). The General Manager shall return to this Commission for a subsequent discretionary approval of any disclosure and security documents prepared in connection with the issuance of such Bonds and other forms of indebtedness to finance these capital improvement program projects.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0024

WHEREAS, San Francisco Charter Section 8B.123 requires that the San Francisco Public Utilities Commission annually hold public hearings to review, update and adopt a long-term Capital Plan including cost estimates and schedules; and

WHEREAS, The General Manager of the SFPUC and staff presented the proposed SFPUC 10-Year Capital Plan for FY 2018-19 to FY 2027-28 to the Commission at public hearings held on January 18, January 25, and February 1, 2018, for the Water Enterprise, Wastewater Enterprise, and Hetch Hetchy Water and Power, including the Power Enterprise, with information on project details including a list of projects, cost estimates, and schedules. The project details presented at those public meetings, including a list of projects, cost estimates, and schedules, are on file with the Commission Secretary and are incorporated into the attached Capital Plan by reference; and

WHEREAS, The Commission-approved 10-Year Capital Plan for FY 2018-19 to FY 2027-28 will be submitted to the Mayor and filed with the City's Capital Planning Committee; and

WHEREAS, The 10-Year Capital Plan is required to develop the SFPUC two-year capital budgets, as well as financial planning, revenue requirements, debt issuances and projected rates; now, therefore, be it

RESOLVED, The FY 2018-19 through FY 2027-28 Ten-Year Capital Plan, including the project lists, cost estimates and schedules presented at the Commission hearings on January 18, January 25, and February 1, 2018 and incorporated herein by reference, is hereby adopted as follows:

10-Year Capital Plan	**FYE 2019-2028**
Wastewater Enterprise	$5,616,236,450
Water Enterprise	1,726,711,300
Hetch Hetchy Water	909,201,000
Hetch Hetchy Power	371,313,475
Total SFPUC	**$8,623,462,225**

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0025

WHEREAS, The General Manager of the San Francisco Public Utilities Commission (SFPUC) and staff presented information on the proposed 10-Year Financial Plan for the period FY 2018-19 through FY 2027-28 to the Commission at three public hearings held on January 18, January 25, and February 1, 2018, for the Water Enterprise, Wastewater Enterprise, and Hetch Hetchy Water and Power including CleanPowerSF, and a copy of those presentation is on file with the Commission Secretary; and

WHEREAS, At its meeting on February 13, 2018, staff presented the proposed 10-Year Financial Plan Update, a copy of which is attached hereto; and

WHEREAS, The 2019 update to the 10-Year SFPUC Financial Plan includes (1) the conformation with new financial policies including the Capital Financing Policy, Debt Service Coverage Policy, Rate Payer Assurance Policy, and Reserve Policy, and (2) the addition of CleanPowerSF to the Plan showing program expansion over a two year period through FYE 2020; and

WHEREAS, It is recommended that governmental entities maintain a multi-year financial plan to forecast future fiscal operations and revenue requirements for their customers and stakeholders; and

WHEREAS, It is further recommended that future year revenue requirement impacts be considered when making budgetary decisions; and

WHEREAS, The 10-Year Financial Plan is mandated by City Charter Section 8B.123 and is updated annually as a part of the budget process; and

WHEREAS, The 10-Year Financial Plan is also be used to meet the City requirement for a 5-Year Financial Plan; now, therefore, be it

RESOLVED, That this Commission adopts the SFPUC 10-Year Financial Plan for FY 2018-19 through FY 2027-28 attached hereto, and authorizes the General Manager to update the Plan to reflect the final operating and capital budget details from the biennal budget process for FY 2018-19 and FY 2019-20.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0026**

WHEREAS, On February 14, 2012, by Resolution 12-0015, this Commission awarded Agreement No. CS-200,Right of Way Services, to Associated Right of Way Services, Inc. (ARWS), in the amount of $3,500,000 and with a term of four years seven months; and

WHEREAS, On April 26, 2016, by Resolution No. 16-0060, the Commission approved Amendment No. 1 to Agreement No. CS-200 that extended the agreement term by two years, for an agreement duration of six years seven months, with no change to the agreement amount; and

WHEREAS, Amendment No. 1 was issued in order to allow the Sewer System Improvement Program (SSIP), Water System Improvement Program (WSIP), Real Estate Services (RES), Natural Resources and Land Management (NRLM), and City Distribution Division (CDD) programs to continue to receive right of way services for program projects; and

WHEREAS, Amendment No. 2 is being requested to extend the term for an additional two years and five months, with no change in the agreement amount, in order to allow the contractor to continue to provide right of way services for the SSIP, WSIP, and RES, NRLM, and CDD programs; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 9% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement, and ARWS has committed to 13.06% LBE subconsultant participation; and

WHEREAS, Funds for this agreement are available from the SSIP and WSIP capital funds as well as RES, NRLM, and CDD funds; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to Agreement No. CS-200, Right of Way Services, with Associated Right of Way Services, Inc., and authorizes the General Manager of the SFPUC to execute this amendment, extending the agreement duration by two years and five months, for a total agreement duration of nine years, with no change to the agreement amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0027**

WHEREAS, It is necessary to procure the services of a qualified Construction Management (CM) firm to provide program-level CM services to assist the SFPUC in managing and delivering the Sewer System Improvement Program (SSIP) Phase 1 construction work at the Southeast Water Pollution Control Plant (SEP) through Agreement PRO.0104, SEP Program CM Services; and

WHEREAS, The estimated cost of professional services under Agreement PRO.0104 is $35,000,000; and

WHEREAS, A Request for Proposals (RFP) was advertised on November 6, 2017; and

WHEREAS, Services are anticipated to begin in May 2018 and end in April 2028, for a total agreement duration of 10 years; and

WHEREAS, Some of the SEP construction projects, including the Biosolids Digester Facilities Project, are currently under review for compliance with the California Environmental Quality Act (CEQA). As project design continues during the CEQA review process, the CEQA documents could require modifications to project design. For these specific projects, construction- and program-level construction management work,with the exception of planning and design support, will not be authorized to commence until the CEQA review process for these projects is completed, this Commission adopts CEQA findings and the Mitigation and Monitoring Reporting Program (MMRP) and approves the projects, and the contractor is given the Notice to Proceed. The project construction specifications shall incorporate any alterations, procedures, or alternatives identified and adopted in the CEQA findings and the MMRP. If this Commission does not adopt the necessary CEQA findings and MMRP and approve any projects in the SEP program-level work, construction for those projects will not commence and the portion of the construction management contract associated with those projects will not be authorized; and

WHEREAS, Until the CEQA review process is completed for projects still under CEQA review, the SFPUC retains sole and absolute discretion to (i) make such modifications deemed necessary to mitigate significant environmental impacts; (ii) select other feasible alternatives to the proposed project to avoid such impacts; (iii) balance the benefits of the project against unavoidable significant impacts prior to taking final action if such significant impacts cannot otherwise be avoided; or (iv) determine not to proceed with the proposed project. As such, the SFPUC reserves the right to change the projects that compose the SEP program-level construction management work at any time in response to information obtained during the environmental review process; and

WHEREAS, SFPUC and Contract Monitoring Division (CMD) staff, upon review of the proposals, have determined that Parsons Water & Infrastructure Group, Inc. (Parsons) is the highest scoring CM firm based on the established scoring criteria; and

WHEREAS, CMD has established a subconsulting requirement of 20.0% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement, and Parsons has committed to 53.0% LBE participation; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Board of Supervisors' authorization to execute the Agreement; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for this agreement will be available at the time of award from CWWSIPRPL01 – SSIP Program Management; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Parsons Water & Infrastructure Group, Inc. (Parsons); awards the SSIP-funded Agreement No. PRO.0104, SEP Program CM Services, to provide program-level CM oversight and supervision for the SSIP Phase 1 construction projects at the SEP; and authorizes the General Manager of the SFPUC to negotiate and execute a professional services agreement with Parsons for an amount not to exceed $35,000,000, and with a duration of 10 years, subject to Board of Supervisors approval pursuant to Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0028

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program, called CleanPowerSF, through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, Ordinance 146-07 established that the SFPUC should be responsible for the management and control of the CleanPowerSF program pursuant to its responsibilities and authority under the Charter, including the authority and provisions to set rates, after one or more public hearings, based on the cost of service, and at levels sufficient to provide adequate resources for the continued financial health (including appropriate reserves), operation, maintenance and repair of each enterprise; and

WHEREAS, In 2002, the Board of Supervisors adopted the "Greenhouse Gas Emissions Reduction" Resolution (158-02), updated in 2008 (Ordinance 81-08, San Francisco Environment Code § 902), committing San Francisco to reduce citywide greenhouse gas (GHG) emissions to 80% below 1990 levels by the year 2050; CleanPowerSF program can be a key contributor to achieving those goals; and

WHEREAS, The complimentary objectives of the CleanPowerSF program are to (1) provide electricity and related services at affordable and competitive rates while promoting long-term rate stability, energy security and reliability for San Francisco; (2) reduce, and eventually eliminate, the greenhouse gas emissions associated with the use of electricity in San Francisco; (3) support, to the greatest extent possible and affordable, the development of new clean energy infrastructure and new employment opportunities for San Franciscans; and (4) provide long-term rate and financial stability to CleanPowerSF and its customers; and

WHEREAS, On December 8, 2015 (Resolution 15-0267) the Commission adopted Business Practice Policies for the CleanPowerSF program, addressing product content, rate setting, phasing, supply management, reserves and program performance reporting and metrics; and

WHEREAS, The Business Practice Policies adopted by the Commission include a Phasing Policy that states that the CleanPowerSF program will be phased-in throughout San Francisco in a manner that is financially prudent and operationally feasible and shall be conditional upon: (1) program rates being sufficient to cover program costs, (2) program rates for a subsequent phase are projected to be at or below PG&E rates at the launch of each phase, (3) program supply commitments are sufficient to meet new projected customer demand, (4) staff and systems and/or qualified third party service providers can handle additional energy sales and customer account volumes, (5) sufficient and reasonably priced credit, collateral and working capital support is available, and (6) all rate, contracts and financial support approvals have been obtained; and

WHEREAS, On May 9, 2017, staff presented to the Commission the CleanPowerSF Growth Plan, which detailed how staff intends to achieve the program objectives while expanding CleanPowerSF to Citywide service; and

WHEREAS, CleanPowerSF is currently serving approximately 65 MW per year (average) and its potential citywide demand is equal to approximately 435 MW per year (average); and

WHEREAS, On May 9, 2017, by Resolution No. 17-0102, the Commission modified the CleanPowerSF Program to increase the target renewable energy content of the Green (default) product from 35% to 50% by the end of 2020, or sooner if possible, and to expand service to 100% of eligible San Francisco customers by July 2019, or sooner if possible; and

WHEREAS, On November 14, 2017, by Resolution No. 17-0226, the Commission approved the pool of qualified respondents for renewable energy, shaped energy and Resource Adequacy Capacity solicited through PRO.0077 and PRO.0089 and authorized the General Manager to negotiate energy supply contracts with one or more of the respondents; and

WHEREAS, Also on November 14, 2017, the Commission conditionally authorized the General Manager to execute energy supply contracts with one or more of the respondents and to seek Board of Supervisors approval, if required, subject to the following conditions:

(i) the total cost of the executed contracts is consistent with the rate setting methodology adopted by the Commission in Resolution 15-0112;

(ii) the renewable energy supplied under a contract pursuant to either PRO.0077 or PRO.0089 is from resources eligible to be counted as California Renewables Portfolio Standard Portfolio Content Category 1 or Portfolio Content Category 2 resources;

(iii) counterparties to any contract must maintain an acceptable credit rating or provide equivalent credit support or performance assurance for the duration of the contract through an acceptable credit mechanism;

(iv) the total combined volume of power procured under PRO.0077 and PRO.0089 shall not exceed 435 MW per year (average);

(v) the duration of any contract under PRO.0077 shall not exceed 25 years, unless the Commission approves a contract extension;

(vi) the duration of any contract under PRO.0089 shall not exceed three years;

(vii) the total quantity of Resource Adequacy Capacity procured shall not exceed the expected quantity as established by state law and regulation for load of 435 MW per year (average); and

(viii) the total cost of all energy supply contracts shall not exceed $175 million per year; and

WHEREAS, On January 23, 2018, the Board of Supervisors approved Ordinance No. 008-18, authorizing the General Manager to purchase renewable and shaped energy supplies and credit support for CleanPowerSF subject to the following conditions:

(i) the City's payment obligations under these contracts shall be special limited obligations of the City payable solely from the revenues of CleanPowerSF;

(ii) the total cost of the power supply contracts authorized with terms from one to twenty-five years, shall not exceed $175 million per year;

(iii) the total credit commitment under the bank credit facility agreement shall not exceed $150 million over the term of the agreement, which shall not exceed six years;

(iv) the contracts shall be approved by the PUC acting through its Commission in a public meeting (the Commission may delegate approval authority to the General Manager, subject to conditions specified by the Commission in a public meeting);

(v) all conditions established by the PUC shall be met; and

(vi) the PUC shall submit annual reports on the CleanPowerSF program to the Board of Supervisors; and

WHEREAS, On February 13, 2018, SFPUC staff provided the Commission with updated expected program cost and revenue assumptions and presented a risk assessment for growth of the CleanPowerSF program utilizing the proposed portfolio of contracts; now, therefore be it

RESOLVED, That the Commission hereby affirms that the conditions set forth in Commission Resolution No. 17-0226 and Board of Supervisors Ordinance No. 008-18 necessary for the General Manager to expand the CleanPowerSF program and to procure energy supply to serve its customers have been met; and be it

FURTHER RESOLVED, That the Commission hereby approves the revisions to the CleanPowerSF Supply Management Policy and Reserves Policy as attached hereto; and be it

FURTHER RESOLVED, That the General Manager shall continue to take all steps necessary to expand CleanPowerSF service until 100% of eligible San Francisco customers are enrolled.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, February 27, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of February 13, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Status of Large Development Projects: Regional Water Supply Service Area
   e) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Citizens' Advisory Committee Quarterly Report (discussion only) (Zock)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Hetch Hetchy Capital Improvement Program Quarterly Report (How)
   c) Quarterly Audit and Performance Review Report (Sandler)
      i. Association of Bay Area Governments, Proposition 84 Grant Audit
      ii. Hetch Hetchy Water and Power and CleanPowerSF Audited Financial Statement FY-17
      iii. Wastewater Enterprise Audited Financial Statement FY-17
      iv. Water Enterprise Audited Financial Statement FY-17
      v. 2016 Green-e Verification Audit
      vi. Comprehensive Annual Financial Report FYE June 30, 2017 and 2016
      vii. San Francisco Public Utilities Commission (SFPUC) Annual Report Year Ending June 30, 2017
   d) Quarterly Budget Status Report (Sandler)
   e) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

9. Bay Area Water Supply and Conservation Agency Report (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

10. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Amendment No. 2 to **Agreement No. CS-1043(I)**, Water and Wastewater Bill Collection, with Dots Printing and Stationery; and authorize the General Manager to execute this amendment, extending the agreement duration by one year and six months, for a total agreement duration of four years, with no change in contract amount, to continue providing collection services for payment of SFPUC water and wastewater bills for customers in the Chinatown area of San Francisco. (Sandler)

180030

b) Approve the plans and specifications, and award **Contract No. WD-2799**, Cathodic Protection for 24" and 36" Steel Pipe Transmission Main of College Hill System Phase III, in the amount of $840,425, to the lowest, qualified, responsible and responsive bidder, Azul Works, Inc. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act (CEQA), pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (How)

180031

c) Approve the plans and specifications, and award **Contract No. WW-659**, Greenhouse Demolition at 1150 Phelps Street, in the amount of $1,638,000, to the lowest, qualified, responsible, and responsive bidder, Azul Works Inc., for the demolition and clearance of the greenhouse structures located at 1150 Phelps Street in San Francisco. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (How)

180032

REGULAR SESSION

11. Approve the **Water Supply Assessment** for the proposed Flower Mart Project located in San Francisco's South of Market District on Assessor's Block 3778, which is bounded by Fifth Street to the north, Brannan Street to the east, Sixth Street to the south, and Bryant Street to the west, pursuant to the State of California Water Code Section 10910 *et seq.* and CEQA Section 21151.9 and CEQA Guidelines Section 15155. (Ritchie)

180033

12. Approve Amendment No. 2 to **Agreement No. CS-357**, Digital Art Wall Support and Maintenance, with Obscura Digital, Inc., to procure a system software/ hardware refresh and three additional years of technical support services for the interactive digital wall located at 525 Golden Gate Avenue, San Francisco; and authorize the General Manager to execute this amendment, increasing the agreement by up to $1,101,612, for a total not-to-exceed amount of $1,494,066, and extending the term by up to three years, for a total duration of seven years. (Sandler)

180034

13. Approve Amendment No. 3 to **Full Load Service Contract 04-SNR-00723** with the United States of America, acting through the Department of Energy Western Area Power Administration (WAPA), for WAPA to continue providing portfolio management services and supplemental power purchases for Treasure Island and Yerba Buena Island; and authorize the General Manager to execute this amendment, extending the term by four years and three months, for a total contract term of 19 years, 11 months, 19 days, and increasing the contract amount by $12,360,000, for a total not-to-exceed amount of $28,370,000, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (Hale)

180035

14. Other New Business (discussion only)

15. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, February 27, 2018
(Approved March 13, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   Vice President (VP) Courtney called the meeting to order at 1:35 PM.

2. Roll Call
   Present: Courtney, Vietor, Caen and Moran

3. Approval of the Minutes of February 13, 2018
   On Motion to approve the Minutes of February 13, 2018:
   Ayes: Courtney, Vietor, Caen and Moran

   No public comment.

4. General Public Comment
   - *Peter Drekmeier, Tuolumne River Trust, discussed the Water System Improvement Program (WSIP), diversions from Tuolumne, Phased WSIP, conservation, and environmental concerns.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Status of Large Development Projects: Regional Water Supply Service Area
   e) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   Commissioner Moran discussed the Gleneagles Mario del la Torre Training Center Apprentice Program celebration, congratulating all involved.

   Vice President Courtney thanked the Commission and staff for their participation and commitment to the program.

   No public comment.

7. Citizens' Advisory Committee (CAC) Quarterly Report
   Wendy Aragon, outgoing CAC Chair, welcomed new members of the CAC, and stated all seats are filled. Amy Zock, incoming Chair introduced herself and discussed those CAC members who were elected to leadership positions.

   VP Courtney commended Wendy on her commitment to the CAC and request that a resolution is prepared to recognize her service.

   Commissioner Vietor expressed her gratitude for Wendy's service.

   GM Kelly thanked Wendy for her service and noted her major accomplishments while serving as the CAC Chair.

Public Comment

- *Nicole Sandkulla, BAWSCA CEO, and CAC member, provided comments on Wendy's tenure as CAC Chair. She thanked her for her service and positive leadership.*

8. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
   Michael Hyams, CPSF Director, provided a CPSF update: (1) Enrollment: 85,500 sites currently being served; 3.2 percent opt-out rate; 4.1 percent SuperGreen upgrade; next quarterly enrollment will occur in April; and citywide enrollment in July; (2) Legislative: Board of Supervisor approved and mayor signed the Power Supply and Bank Credit Contracting Authority; Best and final offers will be received from supplier; and potential rate action for July1.

   No public comment.

   b) Hetch Hetchy Capital Improvement Program Quarterly Report
   Dan Wade, Director, Water Capital Projects and Programs, Infrastructure Division, provided the quarterly report on the following: (1) Mountain Tunnel 2018 interim repairs; (2) Mountain Tunnel improvements 2020-2026; (3) Cherry Dam Outlet works rehabilitation; (4) Warnerville Substation rehabilitation; (5) Lower Cherry Aqueduct; (5) Moccasin new shops/office building and materials bins; (6) Holm Powerhouse rehabilitation and Kirkwood Powerhouse oil containment; and (7) Moccasin Penstock rehabilitation.

   Director Wade responded to a question from Commissioner Caen regarding projects that are behind schedule.

   No public comment.

   c) Quarterly Audit and Performance Review Report
      i. Association of Bay Area Governments, Proposition 84 Grant Audit
      ii. Hetch Hetchy Water and Power and CleanPowerSF Audited Financial Statement FY-17
      iii. Wastewater Enterprise Audited Financial Statement FY-17
      iv. Water Enterprise Audited Financial Statement FY-17
      v. 2016 Green-e Verification Audit
      vi. Comprehensive Annual Financial Report FYE June 30, 2017 and 2016
      vii. San Francisco Public Utilities Commission (SFPUC) Annual Report Year Ending June 30, 2017
      Nancy Hom, Deputy Chief Financial Officer, Assurance and Internal Controls, noted 34 audits and assessments that were completed, in-progress, or are upcoming. She reviewed the highlighted audit – 2016 Green-e Verification Audit (program summary, audit objectives, and conclusions). She concluded with: (1) Review of financial and performance audits that are almost complete; and (2) Prior years, open audits and recommendations.

No public comment.

d) Quarterly Budget Status Report
Charles Perl, Deputy CFO, discussed: (1) Observations: Water and Wastewater higher revenues; Power lower revenues as compared to budget; CleanPowerSF revenues at budget; and financial reserves meet policy targets for coverage and reserves; (2) FY 2018 Water, Wastewater, Power, and CleanPowerSF budgetary variances (sources and uses); and (3) Key financial ratios.

No public comment.

e) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
GM Kelly commented on the Gleneagles celebration and noted opportunities that can be provided. He thanked VP Courtney for his leadership.

No public comment.

9. Bay Area Water Supply and Conservation Agency (BAWSCA) Report
Nicole Sandkulla commented on the WSIP Change Notice that will be forthcoming. She discussed BAWSCA's 2016 recommendation that financing cost be reviewed and accounted for with actual financing costs.

CEO Sandkulla reviewed BAWSCA's December 2017 total potable water use, noting it was 11 percent less than in December 2013.

No public comment.

The Commission Secretary read the Consent Calendar.

Commissioner Vietor requested that item 10c be removed.

10. *Consent Calendar*
a) Approve Amendment No. 2 to Agreement No. CS-1043(I), Water and Wastewater Bill Collection, with Dots Printing and Stationery; and authorize the General Manager to execute this amendment, extending the agreement duration by one year and six months, for a total agreement duration of four years, with no change in contract amount, to continue providing collection services for payment of SFPUC water and wastewater bills for customers in the Chinatown area of San Francisco. (Resolution 18-0030)

b) Approve the plans and specifications, and award Contract No. WD-2799, Cathodic Protection for 24" and 36" Steel Pipe Transmission Main of College Hill System Phase III, in the amount of $840,425, to the lowest, qualified, responsible and responsive bidder, Azul Works, Inc. This action constitutes the Approval Action for the project for the purposes of California

Environmental Quality Act (CEQA), pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (Resolution 18-0031)

On motion to approve the Consent Calendar items 10a and 10b:
Ayes: Courtney, Vietor, Caen and Moran

No public comment.

c) Approve the plans and specifications, and award Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street, in the amount of $1,638,000, to the lowest, qualified, responsible, and responsive bidder, Azul Works Inc., for the demolition and clearance of the greenhouse structures located at 1150 Phelps Street in San Francisco. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (Resolution 18-0032)

Kathy How, AGM Infrastructure, responded to a question from Commissioner Vietor regarding the demolition and re-use of materials that are removed, noting 75 percent of the materials are being recycled. Brief discussion ensued. GM Kelly noted the state of disrepair of the greenhouses.

AGM How responded to a question from Commissioner Moran regarding the low figure of the winning bid as compared to the other bids.

On motion to approve the Consent Calendar item 10c:
Ayes: Courtney, Vietor, Caen and Moran

No public comment.

11. Approve the Water Supply Assessment for the proposed Flower Mart Project located in San Francisco's South of Market District on Assessor's Block 3778, which is bounded by Fifth Street to the north, Brannan Street to the east, Sixth Street to the south, and Bryant Street to the west, pursuant to the State of California Water Code Section 10910 *et seq.* and CEQA Section 21151.9 and CEQA Guidelines Section 15155. (Resolution 18-0033)

On motion to approve item 11:
Ayes: Courtney, Vietor, Caen and Moran

Public Comment

- *Peter Drekmeier discussed the increase of retail space at the site (no housing), and that available water will go to development and not the river.*

12. Approve Amendment No. 2 to Agreement No. CS-357, Digital Art Wall Support and Maintenance, with Obscura Digital, Inc., to procure a system software/ hardware refresh and three additional years of technical support services for the interactive digital wall located at 525 Golden Gate Avenue, San Francisco; and authorize the General Manager to execute this amendment, increasing the

agreement by up to $1,101,612, for a total not-to-exceed amount of $1,494,066, and extending the term by up to three years, for a total duration of seven years. (Resolution 18-0034)

On motion to approve item 12:
Ayes: Courtney, Vietor, Caen and Moran

No public comment.

13. Approve Amendment No. 3 to Full Load Service Contract 04-SNR-00723 with the United States of America, acting through the Department of Energy Western Area Power Administration (WAPA), for WAPA to continue providing portfolio management services and supplemental power purchases for Treasure Island and Yerba Buena Island; and authorize the General Manager to execute this amendment, extending the term by four years and three months, for a total contract term of 19 years, 11 months, 19 days, and increasing the contract amount by $12,360,000, for a total not-to-exceed amount of $28,370,000, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0035)

On motion to approve item 13:
Ayes: Courtney, Vietor, Caen and Moran

No public comment.

14. Other New Business
VP Courtney stated that Mayor Farrell will be speaking with the GM regarding topics of interest.

15. Adjournment
VP Courtney adjourned the meeting at 2:34 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0030**

WHEREAS, Pursuant to Resolution No. 09-0017, this Commission authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement, CS-1043(I) Water and Wastewater Bill Collection, in the amount of $50,000 and with a term of two years, concluding on January 15, 2018, with Dots Printing and Stationery, to provide collection services for payment of SFPUC water and wastewater bills for customers located in the Chinatown area of San Francisco; and

WHEREAS, The Commission approved Amendment No. 1 to CS-1043(I) for $25,000 and a time extension of six months, increasing the total not-to-exceed agreement amount to $75,000 and the total agreement duration to two years, six months ending July 15, 2018, to continue to provide collection services in the Chinatown area of San Francisco; and

WHEREAS, The Customer Service Bureau requests the approval of Amendment No. 2 to CS-1043(I) for a time extension of one year and six months for a total agreement duration of four years ending January 15, 2020, with no change to the agreement amount, to continue to provide collection services in the Chinatown area of San Francisco; and

WHEREAS, Funds for this agreement are available from Customer Service Bureau Operating Budget; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to Agreement No. CS-1043(I), Water and Wastewater Bill Collection, with Dots Printing and Stationery, to continue to accept water and wastewater payments from SFPUC customers in the Chinatown area of San Francisco, and authorizes the General Manager of the SFPUC to execute this amendment with a time extension of one year and six months, for a total agreement duration of four years, with no change to the agreement amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0031**

WHEREAS, Water Enterprise, Local Conveyance/Distribution System Program funded Contract No. WD-2799, Cathodic Protection for 24" and 36" Steel Pipe Transmission Main of College Hill System Phase III ("Project") was advertised on November 1, 2017; and

WHEREAS, The Engineer's Estimate is $888,000 for this construction contract work to install cathodic protection at 13 locations along 14,000 linear feet of steel pipe in the City and County of San Francisco; and

WHEREAS, The contract duration is 225 consecutive calendar days; and

WHEREAS, On January 19, 2018, the Planning Department determined that the Project is exempt from the California Environmental Quality Act under Section 15301, Class 1(Existing Facilities); and

WHEREAS, Two (2) bids were received and opened publicly on December 7, 2017; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Azul Works, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting goal of 20% participation for this contract, and the contractor committed to a LBE participation of 19.63% with its bid, which CMD deemed as compliant; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CUW280PR90, Local Water Conveyance/Distribution, Cathodic Protection 24 & 36 inch Pipe; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Water Enterprise Local Conveyance/Distribution System Program funded Contract No. WD-2799, Cathodic Protection for 24" and 36" Steel Pipe Transmission Main of College Hill System Phase III, in the amount of $840,425, for a duration of 225 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Azul Works, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0032**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Wastewater Enterprise (WWE), Capital Improvement Program (CIP) funded Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street, on October 31, 2017; and

WHEREAS, The Engineer's Estimate is $4,500,000 for this construction contract work to complete demolition, clearance, landscaping and fencing at the greenhouses located at 1150 Phelps Street; and

WHEREAS, The contract duration is 135 consecutive calendar days; and

WHEREAS, Six (6) bids were received and opened publicly on January 11, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Azul Works Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 30% for this contract, and the contractor committed to a LBE participation of 30.52% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain a compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CWWFAC02, Collection Division Consolidation; and

WHEREAS, On June 23, 2017, the Planning Department determined that this Project is categorically exempt from the California Environmental Quality Act Guidelines under Section 15301, Class 1 (Existing Facilities); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE, CIP funded Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street, in the amount of $1,638,000, and for a duration of 135 consecutive calendar days, to the lowest, qualified, responsible, and responsive bidder, Azul Works Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0033**

WHEREAS, Under the California Environmental Quality Act (CEQA) and California Water Code (Section 10910(g)(1)), the San Francisco Public Utilities Commission (SFPUC) is required to prepare and approve a Water Supply Assessment (WSA) for the cumulative water demands presented by the proposed Flower Mart Project located in San Francisco's South of Market District on Assessor's Block 3778, which is bounded by Fifth Street to the north, Brannan Street to the east, Sixth Street to the south, and Bryant Street to the west; and

WHEREAS, The proposed Flower Mart Project would include the demolition of all of the existing buildings on the project site and construction of three new buildings—the Market Hall Building, the Blocks Building, and the Gateway Building—containing approximately 2,032,800 square feet of office space, 204,200 square feet of retail space, and 115,000 square feet of space for a new Wholesale Flower Mart, along with underground parking and loading areas both at grade and below grade; and

WHEREAS, A WSA is an informational document that assesses the adequacy of water supplies to serve a project and is required to be prepared as part of the CEQA environmental review process; and

WHEREAS, As an informational document, approval of the WSA is not a project under CEQA and is not an approval of the Flower Mart Project; and

WHEREAS, A WSA must be approved at a public meeting by the governing body of the public water supplier that would serve the project; and

WHEREAS, The SFPUC staff prepared a WSA for the Flower Mart Project dated January 31, 2018, which is attached hereto, which concludes that the SFPUC has adequate water supplies to meet the Project's water demands through 2040; now, therefore, be it

RESOLVED, This Commission approves the attached Water Supply Assessment dated January 31, 2018 for the proposed Flower Mart Project located in San Francisco's South of Market District on Assessor's Block 3778, which is bounded by Fifth Street to the north, Brannan Street to the east, Sixth Street to the south, and Bryant Street to the west, pursuant to the State of California Water Code Section 10910(g).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0034**

WHEREAS, Pursuant to Resolution No. 09-0017, in 2014 the General Manager of the San Francisco Public Utilities Commission ("SFPUC") executed Agreement CS-357, Digital Art Wall Support and Maintenance, with Obscura Digital, Inc., with an original not-to-exceed amount of $284,807 and a duration of three years, concluding on March 26, 2017, to provide technical support services for the digital interactive wall located at 525 Golden Gate Avenue, San Francisco, California 94102 ("Digital Art Wall"); and

WHEREAS, This Commission, by Resolution No. 17-0021, authorized the General Manager of the SFPUC to execute Amendment No. 1 to CS-357, extending the agreement for a period of one year through March 26, 2018, and increasing the contract not-to-exceed amount to $392,454 for the purpose of providing ongoing technical support services for the Digital Art Wall; and

WHEREAS, SFPUC now seeks to enter into Amendment No. 2 to CS-357 to extend the agreement for a period of three years through March 26, 2021 and increase the contract not-to-exceed amount by $1,101,612 (to a total not to exceed amount of $1,494,066) for the purpose of procuring a system software/hardware refresh and three additional years of technical support services; and

WHEREAS, On December 21, 2017, pursuant to Chapter 21.30(d) of the San Francisco Administrative Code, the Office of Contract Administration granted SFPUC's request for a Sole Source Waiver in the amount of $1,494,066, which amount equals the NTE amount under Amendment No. 2 to this Agreement; and

WHEREAS, Pursuant to Chapter 14B of the San Francisco Administrative Code, the Contract Monitoring Division Local Business Enterprise sub-consulting requirements have been waived for this agreement; and

WHEREAS, Funds for this agreement are available from Project PUW514 01 – 525 Golden Gate; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to Agreement No. CS-357, Digital Art Wall Support and Maintenance, with Obscura Digital, Inc., for the purpose of procuring a system software/hardware refresh and three additional years of technical support services for the interactive digital wall located at 525 Golden Gate Avenue, San Francisco, California 94102, and authorizes the General Manager of the SFPUC to execute this amendment, increasing the agreement by up to $1,101,612, for a total not-to-exceed agreement amount up to $1,494,066, and with a time extension of three years through March 26, 2021, for a total agreement duration of seven years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0035

WHEREAS, The San Francisco Public Utilities Commission ("SFPUC") purchases low-cost electricity and other services from the federal government, through the Western Area Power Administration ("WAPA"), in order to provide electric service to Treasure Island and Yerba Buena Island ("TI/YBI"); and

WHEREAS, The Board of Supervisors, pursuant to Resolution 0056-01, authorized the General Manager of the SFPUC to execute a Full Load Service contract ("FLS Contract") with the WAPA for electric service to TI/YBI effective January 1, 2005, for a period of five years and nine months until September 30, 2010; and

WHEREAS, Amendment No. 1 to the FLS Contract extending the term from September 30, 2010 to September 30, 2015, and increasing the contract amount by $4,240,000 was approved by the Commission by Resolution No. 07-0178, and by the Board of Supervisors by Ordinance 0276-07; and

WHEREAS, Amendment No. 2 to the FLS Contract extending the term from September 30, 2015 to September 30, 2020 and increasing the contract amount by $9,650,000 was approved by the Commission by Resolution No. 11-0153, and by the Board of Supervisors by Ordinance 256-11; and

WHEREAS, Under the FLS Contract, WAPA provides Portfolio Management Services and Supplemental Power Purchases to ensure that load at TI/YBI would be reliably served; and

WHEREAS, Amendment No. 3 to the FLS contract extends the term by four years and three months from September 30, 2020 to December 31, 2024, and increases the contract amount by $12,360,000 for a total not-to-exceed amount of $28,370,000, subject to Board of Supervisors approval ; and

WHEREAS, The FLS contract allows the City to continue providing low cost federal power for all the anticipated electric power needs to TI/YBI; and

WHEREAS, The cost of the extended FLS contract will be recovered through the electric utility rate at TI/YBI and paid for by the SFPUC's Power Enterprise; now therefore, be it

RESOLVED, That the General Manager of the San Francisco Public Utilities Commission is hereby authorized to execute Amendment No. 3 to the FLS contract with WAPA extending the term by four years and three months to December 31, 2024, and increasing the previously authorized contract amount by $12,360,000 for a total not to exceed amount of $28,370,000, subject to the approval of the Board of Supervisors pursuant to Charter Section 9.118; and be it

FURTHER RESOLVED, That the General Manager of the San Francisco Public Utilities Commission is authorized to seek approval of Amendment No. 3 to the FLS contract by the Board of Supervisors.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, March 13, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 71-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.0761. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based prducts. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ" าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of February 27, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Power Risk Management Plan
   e) Streetlight Program Update
   f) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Wastewater Enterprise Capital Improvement Program Quarterly Report (How)
   c) Report on Recent San Francisco Public Utilities Commission (SFPUC) Activities, Events and Announcements

8. 2018 Employee Engagement Survey (discussion only) (Kelly, Jr.)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

9. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

180036 a) Approve an increase to the existing contract duration contingency in the amount of 123 consecutive calendar days (approximately four months) for

Contract No. WW-626, Southeast Water Pollution Control Plant (SEP) Primary and Secondary Clarifier Upgrades; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 860 consecutive calendar days (approximately two years and four months), with no change to the contract amount. (How)

b) Approve an increase to the construction cost contingency in the amount of $600,000, with no change to the contract duration, for **Contract No. WW-632**, Southeast Water Pollution Control Plant (SEP) Existing Digester Gas Handling Improvements Project; and authorize the General Manager to approve future modifications to the contract, for a total revised contract amount of up to $11,089,600. (How)

180037

c) Approve the terms and conditions and authorize the General Manager to execute an **eight-year revocable license to the City of South San Francisco** to use approximately 3,000 square feet of SFPUC Parcel No. 18 near the intersection of Alta Loma Drive and Camaritas Avenue in South San Francisco, to remove, replace, operate, and maintain an existing six-inch sanitary sewer pipeline, for no annual use fee. (Carlin)

180038

REGULAR SESSION

10. Authorize the General Manager to negotiate and execute an **agreement with Lawrence Berkeley National Laboratory** (LBNL) for an amount not-to-exceed $250,000, to be funded by other City departments, with a duration of three years, for LBNL to develop modeling to better understand the potential impact of climate change on future precipitation in San Francisco. (Henderson)

180039

11. Authorize the General Manager to execute a **Design Agreement with the Department of the Army/Army Corps of Engineers**, for the engineering design of placement of sand dredged from the San Francisco Main Ship Channel and placed against the bluff along a 4,000-foot stretch of Ocean Beach south of Sloat Boulevard, for an amount not-to-exceed $280,000, with a duration of one year. (Henderson)

180040

12. Award a **Grant agreement to the San Francisco Unified School District** to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School, in the amount of $528,000, with a duration of one year. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Henderson)

180041

13. Approve **Project No. CWWSIPDP01**, Biosolids Digester Facilities Project, located at the Southeast Water Pollution Control Plant (SEP); and adopt the required California Environmental Quality Act Findings including a Statement of Overriding Considerations and the Mitigation and Monitoring Reporting Program; and authorize the General Manager to proceed with construction of the Project, pursuant to Construction Manager/General Contractor Contract No. WW-647R, SEP Biosolids Digester Facilities, subject to Board of Supervisors release of appropriated project funds. (How)

180042

14. Public comment on matters to be discussed during Closed Session.

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

The Commission will go into Closed Session to discuss the following items:

CLOSED SESSION

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action item) (Sheinfield)

180043 Existing Litigation
David Alfaro, et al. v. City and County of San Francisco
San Francisco Superior Court No.: CGC-15-547492
180044 Date Filed: 8/20/15
Proposed partial settlement of action as to the property damage claims of the
180045 following plaintiffs: (1) Carlos Gross ($88,500); (2) John and Maria Naniola ($85,000); (3) Rick Popke and Nancy Huff ($36,000); and (4) S.F. Motorcycle
180046 Club ($140,000).

Following Closed Session, the Commission will reconvene in Open Session

17. Announcement following Closed Session.

18. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12 (a).

19. Other New Business. (discussion only)

20. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, March 13, 2018
(Approved March 27, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:30 PM.

2. Roll Call
   Present: Kwon, Vietor, and Moran
   Excused: Caen
   Commissioner Courtney arrived at 1:50 PM.

3. Approval of the Minutes of February 27, 2018
   On Motion to approve the Minutes of February 13, 2018:
   Ayes: Kwon, Vietor, and Moran

   No public comment.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Power Risk Management Plan
   e) Streetlight Program Update
   f) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   None.

7. Report of the General Manager
   Agenda item 8b was presented before item 8a.
   b) *Wastewater Enterprise Capital Improvement Program Quarterly Report*
   Karen Kubick, Sewer System Improvement Program (SSIP) Director, discussed variances noted in the quarterly report: (1) Seismic reliability improvements; (2) Westside Pump Station reliability improvements; (3) Kansas and Marin Streets improvements; (4) Interdepartmental projects; (5) Taraval; and (6) Folsom area stormwater project.

   No public comment.

   a) CleanPowerSF (CPSF) Update
   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment: 81,000 sites served; 3.2 percent opt-out; 4.1 percent SuperGreen upgrade; next small enrollment will be in April with 230 new accounts expected; and large enrollment will occur in July; (2) Rate Planning: Rate action will be before the Commission for consideration on April 10th, for a July 1st effective date; CPSF Green rates will be approximately two percent less than PGE rates; there is a request to

suspend the termination fee until after program enrollment period is complete; (3) Regulatory: Motion filed with California PUC to re-hear their resolution on the modification to the timeline as to when CCA's can expand or launch new programs; joint protest filed along with other CCA's to protest PGE's request to modify bill collection practices; and Power Charge Indifference Adjustment rule-making continues.

AGM Hale responded to a question from Commissioner Vietor regarding the schedule for full enrollment.

No public comment.

c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

8. 2018 Employee Engagement Survey
Cindy Charan, Director, Human Resource Services, reviewed the purpose of the 2018 Employment Engagement Survey and introduced Jennifer Rice, Enterprise Workforce Planning Supervisor, and Alyssa Vu, Enterprise Workforce Planning Analyst, who presented the Survey which covered: (1) Engagement; (2) Engagement Drivers and Outcomes; (3) Common Challenges (traditional method v. Quantum Workplace); (4) Challenges to getting real results; (5) Project timeline and next steps; (6) Project team and Key Performance Indicators (success measures); and (7) Look into the future.

VP Courtney arrived at 1:50 PM

Ms. Rice responded to questions from President Kwon regarding SFPUC glass door scores, turnover rate, engagement surveys, and if the survey will tie into performance management.

No public comment.

9. *Consent Calendar:*
   a) Approve an increase to the existing contract duration contingency in the amount of 123 consecutive calendar days for Contract No. WW-626, Southeast Water Pollution Control Plant (SEP) Primary and Secondary Clarifier Upgrades; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 860 consecutive calendar days, with no change to the contract amount. (Resolution 18-0036)

   b) Approve an increase to the construction cost contingency in the amount of $600,000, with no change to the contract duration, for Contract No. WW-632, SEP Existing Digester Gas Handling Improvements Project; and authorize the General Manager to approve future modifications to the contract, for a total revised contract amount of up to $11,089,600. (Resolution 18-0037)

c) Approve the terms and conditions and authorize the General Manager to execute an eight-year revocable license to the City of South San Francisco to use approximately 3,000 square feet of SFPUC Parcel No. 18 near the intersection of Alta Loma Drive and Camaritas Avenue in South San Francisco, to remove, replace, operate, and maintain an existing six-inch sanitary sewer pipeline, for no annual use fee. (Resolution 18-0038)

David Pilpel requested that item 9c be removed from the Consent Calendar.

On Motion to approve the Consent Calendar 9a and 9b:
Ayes: Kwon, Courtney, Vietor, and Moran

No public comment on items 9a and 9b.

Mr. Pilpel discussed environmental review for item 9c and stated that South San Francisco made the determination that the project is exempt under CEQA. He stated the action before the Commission is to authorize the license. He questioned if another agency can make CEQA determinations for another agency.

Irina Torrey, Manager, Bureau of Environmental Management, noted that agencies routinely depend on other agencies' CEQA findings when the projects are in their jurisdiction and that it is standard practice. Therefore, separate CEQA documents are not prepared.

Francesca Gessner, Deputy City Attorney, confirmed Manager Torrey's conclusion. Rosanna Russell, Real Estate Director, provided additional comments.

Bureau Manager Torrey responded to a question from Commissioner Vietor regarding the process for CEQA determination.

On Motion to approve Consent Calendar item 9c:
Ayes: Kwon, Courtney, Vietor, and Moran

10. Authorize the General Manager to negotiate and execute an agreement with Lawrence Berkeley National Laboratory (LBNL) for an amount not-to-exceed $250,000, to be funded by other City departments, with a duration of three years, for LBNL to develop modeling to better understand the potential impact of climate change on future precipitation in San Francisco. (Resolution 18-0039).
Anna Roche, Wastewater Enterprise Utility Specialist presented the item, reviewing objectives and discussed the following: (1) Wastewater Climate Change Efforts; (2) Climate Change in the Bay Area; (3) Advancements in Climate Science; (4) High Resolution Climate Change Models; (5) Probabilistic event attribution and projection; and (6) Translating science.

On Motion to approve item 10:
Ayes: Kwon, Courtney, Vietor, and Moran

Ms. Chiu thanked the SSIP team, Wastewater Enterprise staff, the design team, and the EIR team for their dedicated work on the project. She summarized the proposed action and requested Commission approval.

Ms. Chiu responded to a question from Commissioner Moran regarding the estimated completion date (May 2024).

In response to a question from Commissioner Vietor, GM Kelly stated a presentation regarding the Environmental Justice Analysis will be scheduled.

David Gray, Acting Community Benefits Director, provided a brief background and summary of the Environmental Justice Analysis.

Vice President Courtney stated pre-apprentice and apprentice programs need to be outlined and defined.

On Motion to approve item 13:
Ayes: Kwon, Courtney, and Moran

Public Comment

- *Steve Good, President, Southeast Facility (SEF) Commission, expressed support for the project. He noted the close working relationship between the SFPC and SEF. He asked that the Environmental Justice Analysis recommendations be adhered to. He expressed opposition to project delay.*
- *Levone King, SEF Commission, noted the importance of the Environmental Justice Analysis recommendations and that the SFPUC continue to work with the SEF as work proceeds. She expressed excitement for the 1550 Evans Community Center.*
- *David Pilpel noted the importance of the project, expressed support, and noted the need for the new facilities to reduce odors.*
- *Joyce Armstrong, President, Public Housing Tenant Association and Hunter's Point Shipyard CAC member, discussed the importance of the site improvements and the need to transform technology for earthquake safety.*
- *Linda Richardson, Southeast Alliance for Environmental Justice, expressed support for the project. She thanked the Commission and staff for their work and emphasized the importance of Environmental Justice work. She stated she does not want housing on the Community Center site.*
- *Dr. Veronica Hunnicutt, Chair, Shipyard CAC, expressed support for the item. She stated confidence the SFPUC will deal with impacts and concerns and the project moves forward and looks forward the project advancement.*
- *Lottie Titus expressed support for the project and thanked the Commission and staff for the work that is being done for the community.*
- *Kimberly Carter expressed support for the project. She asked that the SFPUC keep the commitment for opportunities for the communities and needs of the children.*
- *Dorothy Kelley expressed support for the project. She state the odors are too much and the project needs to be completed.*

No public comment.

11. Authorize the General Manager to execute a Design Agreement with the Department of the Army/Army Corps of Engineers, for the engineering design of placement of sand dredged from the San Francisco Main Ship Channel and placed against the bluff along a 4,000-foot stretch of Ocean Beach south of Sloat Boulevard, for an amount not-to-exceed $280,000, with a duration of one year. (Resolution 18-0040)

On Motion to approve item 11:
Ayes: Kwon, Courtney, Vietor, and Moran

No public comment.

12. Award a Grant agreement to the San Francisco Unified School District to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School, in the amount of $528,000, with a duration of one year. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0041)

In response to a question from Commissioner Vietor, Brian Henderson, Acting AGM Wastewater, stated the item is not a "Green Infrastructure" Grant.

On Motion to approve item 12:
Ayes: Kwon, Courtney, Vietor, and Moran

Public Comment

- *David Pilpel discussed language in the Environmental Review section of the staff report which stated the Bureau of Environmental Management "determined" the proposed project is categorically exempt and the Planning Department "concurred", but that it should state that the SFPUC "recommended" and the Planning Department "determined" the project is categorically exempt.*

Bureau Manager Torrey agreed with Mr. Pilpel' s comments.

13. Approve Project No. CWWSIPDP01, Biosolids Digester Facilities Project, located at the SEP; and adopt the required CEQA Findings including a Statement of Overriding Considerations and the MMRP; and authorize the General Manager to proceed with construction of the Project, pursuant to Construction Manager/General Contractor Contract No. WW-647R, SEP Biosolids Digester Facilities, subject to Board of Supervisors release of appropriated project funds. (Resolution 18-0042)
Karen Kubick, SSIP Director, introduced the item and then requested that Carolyn Chiu, Project Manager, provided an update on the Biosolids Digester Facilities Project: (1) Southeast Treatment Plant Campus Vision; (2) Project location and purpose; (3') Key features; (4) Site layout; and (5) Rendition of eastern project view.

- *Mister Moore described the bad odors in the community and the need for clean air. He expressed support for the project.*
- *Alex Landsberg thanked the Commission for moving the project forward. He noted the reduction of odors in the community. He discussed his proposal for using 4.5 acres of land for housing and referenced the letter he sent regarding the topic.*
- *Joanne Abernathy, former Tenant Association VP, stated she looks forward to working with the Commission and the community on the project. She expressed the need for community jobs.*

Commissioner Vietor was excused and departed the meeting at 2:23 PM.

- *Rodney Hampton, Jr., stated he does not want an alternative program, does not want housing on the site, and expressed concern with those from outside of the community who are recommending housing.*

GM Kelly offered his historical perspective on the site and the long-term work with the community to determine their needs and wants. He stated the property is not surplus and is not available for housing.

GM Kelly requested SEF President Good provide his thoughts. President Good He stated that there has been a transparent process and that recent proposal for housing is not appropriate.

Commissioner Courtney stated he Biosolids Digester Facilities Project is not a housing proposal and no housing should be included in the project.

14. Public comment on matters to be discussed during Closed Session.
None.

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.
On Motion to assert attorney-client privilege:
Ayes: Kwon, Courtney, and Moran

The Commission entered Closed Session at 3:00 PM.

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
David Alfaro, et al. v. City and County of San Francisco
San Francisco Superior Court No.: CGC-15-547492
Date Filed: 8/20/15
Proposed partial settlement of action as to the property damage claims of the following plaintiffs: (1) Carlos Gross ($88,500); (2) John and Maria Naniola ($85,000); (3) Rick Popke and Nancy Huff ($36,000); and (4) S.F. Motorcycle Club ($140,000).

Resolutions: (1) 18-0043; (2) 18-0044; (3) 18-0044; and (4) 18-0045

The Commission exited Closed Session at 3:38 PM.

17. Announcement following Closed Session.
No announcement.

18. Motion regarding whether to disclose the discussions during Closed Session pursuant to S.F. Administrative Code Section 67.12 (a).
On Motion not to disclose:
Ayes: Kwon, Courtney, and Moran

19. Other New Business
None.

20. Adjournment
President Kwon adjourned the meeting at 3:39 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0036**

WHEREAS, On January 12, 2016, per Resolution No. 16-0014, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP)-funded Contract No. WW-626, Southeast Water Pollution Control Plant (SEP) Primary and Secondary Clarifier Upgrades, to Monterey Mechanical Co.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for March 14, 2016; and

WHEREAS, The original contract amount was for $23,588,000 and the original contract duration was 670 consecutive calendar days; and

WHEREAS, Modification Nos. 1-15 were issued for $2,242,944, increasing the contract amount to $25,830,944, and increasing the contract duration by 40 consecutive calendar days; and

WHEREAS, Modification No. 16 is pending for $23,782 to provide cooling water piping modifications for Air Compressor Nos. 1 and 2, procure Distributed Control System (DCS) equipment, paint the new MCC Room at SEP 042, provide additional coating at Primary Sedimentation Tanks at SEP 042 and provide dewatering equipment, increasing the contract amount to $25,854,726, and increasing the contract duration by 24 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative extensions of time in excess of 10% of the original contract duration be approved by this Commission; and

WHEREAS, The project has encountered issues with start-up and testing of certain electrical/mechanical equipment because of the delays associated with Plant Shutdown cancellations and unforeseen field conditions which require an additional contract duration of 126 consecutive calendar days; and

WHEREAS, An increase in the contract duration contingency in the amount of 123 consecutive calendar days, with no change to the cost contingency, is being requested to account for issues with start-up and testing of certain electrical/mechanical equipment, for a total contract duration contingency of 190 days and a total contract duration of 860 days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20% LBE participation for this construction contract, and the contractor committed to a LBE participation of 25.56% with its bid submittal, and this amount remains unchanged; and

WHEREAS, Funds are available from Project No. CWWSIPSE04 – SEP Primary and Secondary Clarifier Upgrades; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing contract duration contingency for WWE, SSIP-funded Contract No. WW-626, SEP Primary and Secondary Clarifier Upgrades, with Monterey Mechanical Co., increasing the contract duration contingency by 123 consecutive calendar days, for a total contract duration contingency of 190 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve any future modifications to the contract duration up to 860 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0037**

WHEREAS, On January 10, 2017, per Resolution No. 17-0004, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Construction Contract No. WW-632, Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvements, to Monterey Mechanical Co.; and

WHEREAS, The construction contract Notice-to-Proceed date was March 20, 2017; and

WHEREAS, The original contract amount was $9,536,000, and the original contract duration was 790 consecutive calendar days; and

WHEREAS, Modification Nos. 1-2 were issued for $8,260 for miscellaneous electrical work and changing butterfly valve end connections, explosion proof motors on progressive cavity pumps and roof ventilator curb on the new dry polymer storage Building, increasing the contract amount to $9,544,260; and

WHEREAS, Modification No. 3 is pending for $911,082 for changes in flare coating, control panel revisions, temporary rental flare for regulatory compliance, additional pipe demolition and revisions due to site conditions, and material procurement for waste gas piping replacement, increasing the contract amount to $10,455,342; and

WHEREAS, Section 6.22(h)(1) of the Administrative Code requires any cumulative increases in contract price in excess of 10% of the original contract price be approved by the Commission; and

WHEREAS, The project encountered changes related to the replacement of approximately 300 feet of digester gas piping and appurtenances, in order to ensure continuous and reliable operation of the existing gas and solids handling facilities with an estimated cost of $634,258; and

WHEREAS, An increase in the contract cost contingency in the amount of $600,000, with no change to the contract duration, is requested to account for the changes related to the replacement of approximately 300 feet of digester gas piping and appurtenances, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20.00% on this project and the contractor committed to a LBE subcontractor participation of 25.16% with its bid submittal, and this amount remains unchanged; and

WHEREAS, Funding is currently available in Project CWWSIPSE09, Southeast Water Pollution Control Plant Existing Digester Gas Handling Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing contract cost contingency for WWE, SSIP-funded Contract No. WW-632, Southeast Water Pollution Control Existing Digester Gas Handling Improvements, in the amount of $600,000, with no change to the contract duration, for a total cost contingency amount of $1,553,600; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider, and if appropriate, to approve any future modifications to the contract amount up to $11,089,600.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0038**

WHEREAS, The City and County of San Francisco (City) owns certain real property presently under the jurisdiction of the San Francisco Public Utilities Commission (SFPUC) commonly known as SFPUC Parcel No. 18 near the intersection of Alta Loma Drive and Camaritas Avenue (Premises) in the South San Francisco; and

WHEREAS, City of South San Francisco (Licensee) is engaged in a citywide plan to replace and improve existing sanitary sewer infrastructure within South San Francisco as part of its Sanitary Sewer and Manhole Replacement and Rehabilitation 2016 Project. As part of its project, Licensee proposes to remove an existing six-inch vitrified clay sanitary sewer (Existing Sewer) and install, operate, and maintain a six-inch polyvinyl chloride pipeline (New Sewer) on the Premises; and

WHEREAS, Licensee desires to obtain a revocable license (License) to remove the Existing Sewer and install, operate, and maintain a the New Sewer on the Premises; and

WHEREAS, The License will impose insurance, indemnity and property tax reimbursement obligations on Licensee; and

WHEREAS, The SFPUC desires to enter into the License; and

WHEREAS, The SFPUC adopted the 2015 Real Estate Guidelines on January 30, 2015, providing that the SFPUC may issue a license with no use fee to a public agency if the license serves the SFPUC's primary utility purpose; and

WHEREAS, The SFPUC and South San Francisco have reciprocally granted permits for nominal consideration for use of each other's property, furthering the SFPUC's interests in the supply of water and (in this case) the operation of sanitary sewers by South San Francisco; and

WHEREAS, Licensee is a public agency under Section 5.3 of the 2015 Real Estate Guidelines; and

WHEREAS, The License serves the SFPUC's primary utility purpose by relieving the SFPUC of payment of real property taxes associated with the Premises; and

WHEREAS, On August 30, 2017, the SFPUC Natural Resources and Land Management Division issued a Certificate of Completion of the Project Review Process for the work to be undertaken by the City of South San Francisco under the revocable license and stipulated conditions to be fulfilled by the lessee. On October 18, 2017 The City of South San Francisco determined that the proposed sewer replacement project is exempt from the California Environmental Quality Act (CEQA) under Section 15302(c) Replacement or reconstruction of existing utility systems/and or facilities involving negligible or no expansion capacity and issued a Notice of Exemption]; now, therefore, be it

RESOLVED, That this Commission hereby finds that Licensee is a public agency under Section 5.3.1 of the 2015 Real Estate Guidelines, that the License benefits the SFPUC's primary utility purpose, and will issue the License for no use fee; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves and authorizes all actions heretofore taken by any City official in connection with the License; and, be it

FURTHER RESOLVED, That this Commission hereby approves the terms and conditions of the License; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the SFPUC General Manager to execute the License; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager to enter into any amendments or modifications to this License, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interest of the City; do not materially increase the obligations or liabilities of the City; are necessary or advisable to effectuate the purposes and intent of the License or this resolution; and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0039**

WHEREAS, This Commission has endorsed the Wastewater Enterprise Sewer System Improvement Program's (SSIP) specific, measurable goals and objectives that include modifying the system to adapt to climate change; and

WHEREAS, This Commission recently adopted the San Francisco Public Utilities Commission (SFPUC) Strategic Plan with six key goals that represent the organizational priorities of the SFPUC which include a commitment to develop, coordinate, and communicate a comprehensive and consistent approach to mitigate and adapt to climate change; and

WHEREAS, The 2016 San Francisco Sea Level Rise Action Plan designates the SFPUC as the responsible agency for addressing the need to understand the effect of climate change on precipitation; and

WHEREAS, SFPUC desires to enter into a Strategic Partnership Projects Agreement with the Lawrence Berkeley National Laboratory (LBNL) for LBNL to design, perform, and analyze climate model simulations of anthropogenic influences on extreme precipitation events impacting the San Francisco Bay Area; and

WHEREAS, The contract amount of $250,000 will be funded by the San Francisco International Airport in the amount of $200,000, Port of San Francisco in the amount of $50,000; and

WHEREAS, SFPUC and Office of Resilience, through a separate existing contract (CS-165), intends to fund a supplemental analysis of the LNBL modelling for $262,500 to be performed by Silvestrum Climate Associates, LLC and SFPUC will coordinate Silvestrum's analysis with the LBNL work performed under this Agreement; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to execute a Strategic Partnership Projects Agreement with Lawrence Berkeley National Laboratory, in a form approved by the City Attorney, to design, perform, and analyze climate model simulations to better understand potential climate change vulnerabilities and risk associated with future precipitation changes, for an amount not to exceed $250,000, and with a total duration of three (3) years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Monna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0040**

WHEREAS, Section 204 of the Water Resources Development Act of 1992 authorizes the Secretary of the Army to use sediment obtained in the construction, operation or maintenance of an authorized Federal water resources project (in this case, the San Francisco Bay Shipping Channel) for the Ocean Beach Beneficial Use of Dredged Materials Project ("Project"); and

WHEREAS, Entering into a cost-shared Design Agreement for the Project with the Army Corps of Engineers will reduce the financial burden placed on the San Francisco Public Utilities Commission and its ratepayers to protect Ocean Beach and critical wastewater infrastructure from chronic erosion; and

WHEREAS, Under the Design Agreement, the SFPUC's cost-shared portion of the engineering design services is 35% of total design costs which is $280,000; and

WHEREAS, Engineering design services are anticipated to begin in April 2018 and end in April 2019, the total duration of this agreement is one (1) year; and

WHEREAS, Funds for this Design Agreement will be available at the time of execution of the Agreement from Project No. CWWFAC01 – Ocean Beach Protection; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to execute a Design Agreement with the Army Corps of Engineers for an amount not to exceed $280,000 and with a total duration of one (1) year for engineer Ocean Beach Beneficial Use of Dredged Materials Project.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Stout

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0041**

WHEREAS, Since 2003, San Francisco voters have approved a total of nearly $14 million in bond funding allocated for green schoolyards design and construction, which is supporting the development of green schoolyards at 84 K-12 public schools throughout San Francisco; and

WHEREAS, The SFPUC has recognized an opportunity to supplement the San Francisco Unified School District (SFUSD)'s g green schoolyard master planning and design process to incorporate innovative green stormwater infrastructure technologies that are not currently within the scope of the green schoolyard program; and

WHEREAS, Green infrastructure on school properties supports the SFPUC goal of providing water and wastewater education to the city's youth and fostering future stewards of our city's water and wastewater systems; and

WHEREAS, Green infrastructure on school properties also helps protect and enhance the function of the City and County of San Francisco's sewer system and the quality of receiving water bodies by reducing the volume and rate of stormwater run-off into the system; and

WHEREAS, The SFPUC and SFUSD have selected Robert Louis Stevenson Elementary School as the most appropriate site for the pilot Stormwater Schoolyard ("the Project"); and

WHEREAS, In 2015, per Commission Resolution 15-0238, the SFPUC awarded the SFUSD a grant in an amount not to exceed $177,000 to fund the design of the Project; and

WHEREAS, Now that the design phase is complete, SFPUC desires to provide SFUSD with a new grant to help fund the construction of the Project, with SFUSD contributing $150,000 towards construction; and

WHEREAS, Funds are available upon execution of the grant agreement from Wastewater Enterprise Project No. 10025774; and

WHEREAS, On January 17, 2018, the Planning Department determined that the proposed Project is categorically exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15304, Class 4 (Minor Alterations to Land); now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to execute a Grant Agreement with the San Francisco Unified School District to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School, in the amount of $528,000, and with a total duration of one (1) year.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0042**

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff have developed a project description under the Sewer System Improvement Program (SSIP) for the solids handling improvements at the Southeast Water Pollution Control Plant, otherwise known as Project No. CWWSIPDP01, Biosolids Digester Facilities Project (BDFP or Project); and

WHEREAS, The objectives of the Project are to replace the existing solids treatment facilities at the Southeast Water Pollution Control Plant (SEP) with new infrastructure with modern and more efficient treatment technologies to protect public health and safety and provide continued regulatory compliance, maximize the efficiency of the current treatment process operations and maintenance, staffing resources, and the use of existing SFPUC infrastructure, reliably meet treatment capacity for projected 2045 flows and loads associated with projected population growth; beneficially use 100 percent of biosolids generated, beneficially use 100% of digester gas generated, build critical processes with redundant infrastructure to provide reliability and operational flexibility, improve seismic reliability, limit noticeable odors from BDFP facilities to the SEP property boundary, provide visual improvements that promote a cohesive architectural design and identity at the BDFP site, enhance the overall aesthetics, and improve the public edges in a manner consistent with the surrounding neighborhood and the rest of the SEP, design and site new facilities to accommodate or adapt to expected sea level rise over their expected life, allow for timely construction of the proposed BDFP; and maintain rate payer affordability; and

WHEREAS, On May 9, 2017, by Resolution No. 17-0110, this Commission awarded Agreement No. WW-647R to MWH Constructors/ Webcor Builders, Joint Venture (JV) as a Construction Manager/General Contractor (CM/GC) to provide pre-construction services for the proposed Project and, subject to the completion of environmental review and the Commission's approval of the Project, to provide construction services to deliver the Project; and

WHEREAS, The Notice-to-Proceed date for MWH Constructors/ Webcor Builders JV for Pre-Construction was set on October 30, 2017; and

WHEREAS, On March 8, 2018, the Planning Commission reviewed and considered the Final Environmental Impact Report (FEIR) in Planning Department File No. 2015-000644ENV, consisting of the Draft EIR and the Responses to Comments document, and found that the contents of said report and the procedures through which the FEIR was prepared, publicized and reviewed complied with the provisions of the California Environmental Quality Act (CEQA), the CEQA Guidelines and Chapter 31 of the San Francisco Administrative Code, and found further that the FEIR reflects the independent judgment and analysis of the City and County of San Francisco, is adequate, accurate and objective, and that the Comments and Responses document contains no significant revisions to the Draft EIR, and certified the completed said FEIR in compliance with CEQA and the CEQA Guidelines in its Motion No. M-20129 and

WHEREAS, This Commission has reviewed and considered the information contained in the FEIR, all written and oral information provided by the Planning Department, the public, relevant public agencies, SFPUC and other experts and the administrative files for the Project and the EIR; and

WHEREAS, The Planning Department is the custodian of records, located in File No. 2015-000644ENV, at 1650 Mission Street, Fourth Floor, San Francisco, California; and

WHEREAS, The FEIR, the CEQA Findings and the Mitigation, Monitoring and Reporting Program (MMRP), were made available to the public and this Commission for the Commission's review, consideration and action; now, therefore, be it

RESOLVED, This Commission has reviewed and considered the FEIR and hereby adopts the CEQA Findings, including the Statement of Overriding Considerations, attached hereto as Attachment A and incorporated herein as part of this Resolution by this reference thereto, and adopts the MMRP attached to this Resolution as Attachment B and incorporated herein as part of this Resolution by this reference thereto; and be it

FURTHER RESOLVED, That this Commission hereby approves Project No. CWWSIPDP01, Biosolids Digester Facilities Project, and authorizes staff to proceed with actions necessary to implement the Project; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to proceed to the Construction Phase for MWH Constructors/ Webcor Builders, JV to deliver the new Biosolids Digester Facilities at SEP, in accordance with the terms and conditions of Agreement No. WW-647R, subject to Board of Supervisors release of appropriated project funds and the Controller's certification of funds.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, March 27, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ" าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of March 13, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Enterprise Environmental Stewardship Policy Implementation Report
   e) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Revenue Bond Oversight Committee Annual Report and Audit Findings (discussion only) (Leshner)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Sewer System Improvement Program Update (How)
   c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

9. Bay Area Water Supply and Conservation Agency Report (discussion only) (Sandkulla)

10. 2018 Water and Wastewater Rate Study Update (discussion only) (Sandler)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection a nd copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

11. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in*

which event the matter will be removed from the Calendar and considered as a separate item.

a) Accept work performed by Yerba Buena Engineering & Construction, Inc., for **Contract No. WD-2641R**, Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands, for a total contract duration of 1,847 consecutive calendar days (approximately five years); approve Modification No. 12 (Final) decreasing the contract amount by $146,356, for a total contract amount of $7,103,114; and authorize final payment to the contractor. (How)

180047

b) Approve the plans and specifications, and award **Contract No. WW-672**, Wastewater Enterprise Elevator Maintenance, Repair and Modernization 2018-2021, in the amount of $1,316,300, to the lowest, qualified, responsible and responsive bidder, Kone Inc., to service and maintain all Wastewater Enterprise and Southeast Community Center elevators, for a duration of three years. (Henderson)

180048

REGULAR SESSION

12. Authorize the General Manager to negotiate and execute Amendment No. 1 to the **Memorandum of Understanding for the Potable Reuse Exploratory Plan** with Silicon Valley Clean Water, the Bay Area Water Supply & Conservation Agency, and the California Water Service Company to: (1) add Redwood City and the City of San Mateo as parties; (2) expand the scope of the feasibility study to include additional analysis as a second phase of work; (3) extend the term by 28 months (two years and four months), for a total term of 41 months (three years and five months); and (4) increase SFPUC's share of funding by up to $50,000, for a total not-to-exceed amount of $81,000. (Ritchie)

180049

13. Approve Amendment No. 1 to **Agreement No. CS-211A**, Specialized and Technical Services with CDM Smith/ATS, a Joint Venture; Approve Amendment No. 2 to Water Enterprise-funded **Agreement No. CS-211D**, Specialized and Technical Services with URS Corporation; and authorize the General Manager to negotiate and execute these amendments, increasing Agreement CS-211A by $1,500,000, for a total not-to-exceed agreement amount of $6,500,000; and increasing Agreement CS-211D by $1,000,000, for a total not-to-exceed agreement amount of $7,490,000, with no change to the contract duration, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Ritchie)

180050

14. Award three Interim Greenhouse Grant Program Grants, **PRO.0099(G).A-C**, to Hunters Point Family (PRO.0099(G).A), Old Skool Café (PRO.0099(G).B), and San Francisco Conservation Corps (PRO.0099(G).C), to help residents from Bayview-Hunters Point develop skills and gain access to living wage jobs in the urban agriculture, horticulture, and food-related green industries; and authorize the General Manager to execute three grant agreements, each with a duration of two years, for amounts not-to-exceed $350,000 for Hunters Point Family, $175,000 for Old Skool Café, and $175,000 for San Francisco Conservation

180051
(Amended)

Corps, with an option to extend the agreements by one year each and by a cumulative amount of not-to-exceed $300,000. (Ellis)

15. **Workshop: Update on Power Business Plan and Affordable Access to Distribution**: The Power Business Plan describes six strategies, including ensuring affordable access to the distribution grid. Staff will update the Commission on efforts to secure and maintain affordable access to the grid for the 2,500 metered and 9,000 unmetered service points currently connected, and review impacts to customers. (discussion only) (Hale)

16. Public comment on matters to be addressed during Closed Session

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

The Commission will go into Closed Session to discuss the following item(s):

18. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Sheinfield)

    Existing Litigation
    City and County of San Francisco v. County of Alameda
    San Francisco Superior Court Case No.: CGC-564901
    Date Filed: March 9, 2018

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

    Existing Litigation:
    Pacific Gas & Electric
    Federal Energy Regulatory Commission
    Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
    Case No.: ER15-702-000/Date Filed: December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

    Existing Litigation:
    Pacific Gas & Electric
    Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
    Case No.: ER15-703-000/Date Filed December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

25. Other New Business (discussion only)

26. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

REVISED NOTICE OF PUBLIC HEARING
(Posted March 22, 2018)

NOTICE OF PUBLIC HEARING Tuesday, April 10, 2018 – 1:30 PM City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, at a Regular Meeting of the San Francisco Public Utilities Commission: Public Hearing, discussion, and possible action to adopt the proposed water and wastewater rates and charges for customers of the San Francisco Public Utilities Commission. The resolutions to be presented at the hearing are:

1. Proposal to Adopt Retail Water Rates for FYE 2019 through FYE 2022;
2. Proposal to Adopt Wastewater Rates for FYE 2019 through FYE 2022; and
3. Proposal to Adopt Water & Wastewater Capacity Charges for FYE 2019 through FYE 2022.
4. ~~Proposal to Adopt Miscellaneous Fees & Charges for FYE 2019 through FYE 2020~~*

If approved, the new rates and charges would take effect July 1, 2018.

The detailed agenda and related files will be available at least 72 hours before the scheduled meeting at the SFPUC website www.sfwater.org or by calling (415) 554-3165.

***NOTE: The Proposal to Adopt Miscellaneous Fees & Charges for FYE 2019 through FYE 2022 will not be heard at the April 10th meeting. That item is now scheduled to be heard at the May 8, 2018 regular meeting of the San Francisco Public Utilities Commission.**

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

NOTICE OF PUBLIC HEARING

NOTICE OF PUBLIC HEARING: Tuesday, April 10, 2018 – 1:30 PM, City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, at a Regular Meeting of the San Francisco Public Utilities Commission: Public Hearing, discussion, and possible action to adopt a schedule of electric rates and charges for customers of the San Francisco Public Utilities Commission CleanPowerSF (Community Choice Aggregation) Program. The detailed agenda and related files will be available at least 72 hours before the scheduled meetings at the SFPUC website www.sfwater.org or by calling (415) 554-3165.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, March 27, 2018
(Approved April 10, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:35 PM.

2. Roll Call
   Present: Kwon, Caen, and Moran
   Commissioner Vietor arrived at 1:42 PM.
   Vice President (VP) Courtney arrived at 1:44 PM.

3. Approval of the Minutes of March 27, 2018
   On Motion to approve the Minutes of March 27, 2018:
   Ayes: Kwon, Caen, and Moran

4. General Public Comment
   - *Dave Warner, Tuolumne River Trust, asked that the Commission revisit the SFPUC policy regarding the drought plan of record, and that it include water availability and environmental needs. He proposed ideas for consideration.*
   - *Peter Drekmeier, Tuolumne River Trust, distributed a handout and discussed the value of one acre-foot of water to agricultural economies.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Enterprise Environmental Stewardship Policy Implementation Report
   e) Water Supply Conditions Update

   Commissioner Vietor arrived at 1:42 PM.

   Public Comment
   - *Dave Warner commented on item 5d. He stated the report seems like a marketing document rather that a tool to assess environmental activities.*

   VP Courtney arrived at 1:44 PM

   - *Peter Drekmeier commented on item 5d. He discussed the policy section regarding releases and unimpaired flow, stating the policy applies to the upper Tuolumne, but not the lower Tuolumne, and he feels that it should. He stated the Bay Delta Plan position is not mentioned in the policy.*
   - *Tim Eichenberg echoed comments of Mr. Drekmeier that the report doesn't address the Bay Delta Water Control Plan. He discussed the Bay Delta Plan.*

6. Other Commission Business
   None.

7. Revenue Bond Oversight Committee (RBOC) Annual Report and Audit Findings
   Charles Perl, Deputy Chief Financial Officer (CFO), discussed the charge of the RBOC. He introduced Mr. Robert Leshner, RBOC Chair, who reviewed the

authority of the RBOC, thanked staff for their work, and noted report highlights: (1) Annual Bond Expenditure Certification Process; (2) Review of the progress of the Water System Improvement Program (WSIP) and the Sewer System Improvement Program (SSIP), with a focus on the accuracy of budgeting and scheduling forecasting, ensuring lessons learned from WSIP are applied to SSIP; and (3) Conducted on-site visits to the Calaveras Dam Replacement Project and the Southeast Treatment Plant.

No public comment.

8. Report of the General Manager (GM)
   a) CleanPowerSF (CPSF) Update
   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: More than 80,000 accounts served; Low-opt out rate, and high request for SuperGreen upgrades; Preparation for July enrollment continues; Supply contracts are being prepared for execution; CCA's testimony is being prepared regarding exit fee reforms; Simplified bill comparison bill calculator is being finalized for publication on website; Annual rate comparison mailer is being compiled; and Controller certification to support additional supply has been secured.

   AGM Hale responded to a question from Commissioner Vietor regarding the timeline for buildout and necessary steps.

   No public comment.

   b) Sewer System Improvement Program (SSIP) Update
   Karen Kubick, SSIP Director, reviewed the SSIP program status, indicating 22% of Phase I projects are complete. She briefly discussed the following projects: (1) Biosolids Digesters Facilities Project; (2) Southeast Plant New Headworks Facility Project; (3) Other Phase I projects (timeline); (4) Current construction (Southeast Plant and North Point Outfall; (5) Current construction projects – EIPs (Chinatown Living Alley, Wiggle Neighborhood Green Corridor, and Visitacion Valley Green Nodes); (6) Other achievements; (7) SSIP Phase I jobs report (32% local hire percentage achieved); and (8) Stakeholder outreach.

   Commissioner Caen expressed excitement that the digester project was approved on March 27, 2018.

   No public comment.

   c) Report on Recent SFPUC Activities, Events and Announcements
   GM Kelly noted the incident at the Moccasin Reservoir and Dam and asked Steve Ritchie, AGM Water, to provide an update.
   AGM Ritchie recapped the events of March 22, 2018, showed a map of the area, discussed the effects of the event, and showed event photos: (1) Moccasin Reservoir and Bypass; (2) Moccasin Dam Spillway; (3) Moccasin Dam Emergency Spillway; (4) Moccasin Creek Fish Hatchery; (5) Moccasin

Creek Watershed; (6) Moccasin Creek Diversion Dam; (7) Highway 49 at Moccasin Diversion Dam; (8) Moccasin Dam seepage; (9) Emergency Spillway damage; (10) Moccasin Creek Diversion Dam clean-up, and (11) Moccasin Creek diversion restored. He reviewed 2017 overflow – 2018 overflow major differences. He concluded with a review of follow-up actions.

AGM Ritchie complemented staff for their work during the event.

AGM Ritchie responded to a question from President Kwon regarding dam leaks and how long residents were required to evacuate.

AGM Ritchie responded to question from Commissioner Caen regarding a San Francisco Chronicle article discussing a consultants' report regarding inspection of the dam and their findings.

No public comment.

9. Bay Area Water Supply and Conservation Agency (BAWSCA) Report
Nicole Sandkulla, BAWSCA CEO, was unable to attend. No update provided.

10. 2018 Water and Wastewater Rate Study Update
Eric Sandler, CFO and AGM Business Services began the Rate Study update with a discussion of: (1) Rate Study (legal requirements); (2) Rate Study Timeline (18-months); (3) Policy framework (ratepayer assurance, debt service coverage, fund balance reserve and capital financing policies); (4) Rates Study process (revenue requirement analysis, cost of service analysis, and rate design); (5) Revenue requirement analysis; (6) Cost-of-service analysis; (7) Rate design - current rate structure (fixed charges, residential variable charges, and non-residential variable charges); (8) Rate Design - proposed rate structure (fixed charges, residential variable charges, and non-residential variable charges); (9) Average single family residential bill; (10) Peer-agency single family bill comparison; and (11) Temporary drought surcharge; and (12) Temporary drought surcharge implementation process.

AGM Sandler discussed the affordability project context and existing affordability metrics.

Simone Hudson, Community Benefits Analyst, continued the presentation with a discussion of affordability. She reviewed four affordability project goals: improve assistance to customers in single family residences; reduce impact of fees and shutoff policies; early interventions for customers at risk of water shutoffs; and evaluate assistance to multi-family customers.

Ms. Hudson discussed: (1) Affordability: single family residential assistance - guiding questions: how many households are paying more than 2.5% of their household income on their water and sewer bill, and what are their characteristics; (2) Affordability: single family residential assistance - Community Assistance Program (CAP)-eligible customer base; (3) Affordability: single family residential assistance – water cost burdened customer base; (4) Affordability:

WCB vs. CAP-eligible households; (5) Affordability: key takeaways and next steps.

Ms. Hudson responded to a question from Commissioner Moran regarding income levels and at what income would someone be considered "water cost burdened".

Ms. Hudson responded to a question from Commissioner Moran regarding the proposed partnerships (next steps) with Human Services Agency and Office of Financial Empowerment, and how those partnerships would work.

Ms. Hudson responded to a question from Commissioner Caen as to what percentage of total taxpayers are eligible for the three discount programs - CAP, Low-Income Non-Profit Housing Program and Community Housing Program. Ms. Hudson responded to a follow-up question from Commissioner Caen as to what these programs cost the SFPUC.

John Scarpulla, Policy & Government Affairs Manager, continued the presentation with a review of: (1) Affordability: fees and shutoffs – fees disproportionately impacting low-income customers; (2) Affordability: fees and shutoffs – timeline for SFPUC shutoff procedures (monthly bill process: day one through day 74 - $55 fee at day 60 (noticing), $55 fee at day 70-74 (shutoff), $55 fee at bill payment, and water service turn-on; (3) Affordability: fees and shutoffs – Shut-off data FY 16-17 (9,636 48-hour notices posted, 1,189 shutoffs for non-payment, and water turned on in one day); (4) Affordability: fees and shutoffs – Staff proposal: retain fee associated with posting 48-hour notice (minor reduction recommended); eliminate fee associated with water shutoff and turn-on; monitor percentage of customers moving through shutoff process; review miscellaneous fees for potential negative impact on low-income customers; and proposed changes to shutoff fees and other miscellaneous fees to come back to the Commission in May.

Mr. Scarpulla responded to a question from Commissioner Vietor regarding data shutoff data and CAP eligibility/enrollment.

Commissioner Caen commented on the 60 day notice. Mr. Scarpulla responded to her question regarding other agencies' noticing requirements.

VP Courtney stated that charging for turning off water is punitive, but charging for turning water back on is more appropriate.

GM Kelly provided additional comment on the revised fee proposal.

Public Comment

- *Christa Brown, Financial Justice Project, Treasurer and Tax Collector's Office, expressed support for the staff recommendations.*

11. Consent Calendar

a) Accept work performed by Yerba Buena Engineering & Construction, Inc., for Contract No. WD-2641R, Habitat Reserve Program, Homestead Pond,

San Andreas Reservoir Wetlands, Adobe Gulch Grasslands, for a total contract duration of 1,847 consecutive calendar days (approximately five years); approve Modification No. 12 (Final) decreasing the contract amount by $146,356, for a total contract amount of $7,103,114; and authorize final payment to the contractor. (Resolution 18-0047)

b) Approve the plans and specifications, and award Contract No. WW-672, Wastewater Enterprise Elevator Maintenance, Repair and Modernization 2018-2021, in the amount of $1,316,300, to the lowest, qualified, responsible and responsive bidder, Kone Inc., to service and maintain all Wastewater Enterprise and Southeast Community Center elevators, for a duration of three years. (Resolution 18-0048)

On Motion to approve the Consent Calendar:
Ayes: Kwon, Courtney, Caen Vietor, and Moran

No public comment.

12. Authorize the General Manager to negotiate and execute Amendment No. 1 to the Memorandum of Understanding for the Potable Reuse Exploratory Plan with Silicon Valley Clean Water, the Bay Area Water Supply & Conservation Agency, and the California Water Service Company to: (1) add Redwood City and the City of San Mateo as parties; (2) expand the scope of the feasibility study to include additional analysis as a second phase of work; (3) extend the term by 28 months, for a total term of 41 months; and (4) increase SFPUC's share of funding by up to $50,000, for a total not-to-exceed amount of $81,000. (Resolution 18-0049)

On Motion to approve item 12:
Ayes: Kwon, Courtney, Caen Vietor, and Moran

No public comment.

13. Approve Amendment No. 1 to Agreement No. CS-211A, Specialized and Technical Services with CDM Smith/ATS, a Joint Venture; Approve Amendment No. 2 to Water Enterprise-funded Agreement No. CS-211D, Specialized and Technical Services with URS Corporation; and authorize the General Manager to negotiate and execute these amendments, increasing Agreement CS-211A by $1,500,000, for a total not-to-exceed agreement amount of $6,500,000; and increasing Agreement CS-211D by $1,000,000, for a total not-to-exceed agreement amount of $7,490,000, with no change to the contract duration, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0050)

Commissioner Vietor departed the room at 2:34 PM.

On Motion to approve item 13:
Ayes: Kwon, Courtney, Caen and Moran

No public comment.

14. Award three Interim Greenhouse Grant Program Grants, PRO.0099(G).A-C, to Hunters Point Family (PRO.0099(G).A), Old Skool Café (PRO.0099(G).B), and San Francisco Conservation Corps (PRO.0099(G).C), to help residents from Bayview-Hunters Point develop skills and gain access to living wage jobs in the urban agriculture, horticulture, and food-related green industries; and authorize the General Manager to execute three grant agreements, each with a duration of two years, for amounts not-to-exceed $350,000 for Hunters Point Family, $175,000 for Old Skool Café, and $175,000 for San Francisco Conservation Corps, with an option to extend the agreements by one year each and by a cumulative amount of not-to-exceed $300,000. (Resolution 18-0051)

Commissioner Vietor returned to the room at 2:36 PM.

VP Courtney thanked staff for their work. He discussed the expertise of those who reviewed the applications and stated individuals with expertise in workforce development need to be part of the review process going forward.

VP Courtney proposed amendments to the fourth Whereas Clause in the resolution following "green sector industries"…

…and grantees must maintain a regular presence at the SECF by providing regular updates to the SEFC Commission, participating in cohort activities and pre-apprenticeships facilitated by the SFPUC and partners, and ensuring all program participants are exposed to and may participate in pre-apprenticeship programs that provide career pathways to full-time union employment; and VP Courtney requested the consistent terminology and approaches to career pathways.

At the request of the Deputy City Attorney, David Gray, acting Community Benefits Director confirmed that the amendments do not conflict with the language or expectations contained in the RFP. Brief discussion ensued.

On Motion to approve item 14:
Ayes: Kwon, Courtney, Caen Vietor, and Moran

No public comment.

15. Workshop: Update on Power Business Plan and Affordable Access to Distribution: The Power Business Plan describes six strategies, including ensuring affordable access to the distribution grid. Staff will update the Commission on efforts to secure and maintain affordable access to the grid for the 2,500 metered and 9,000 unmetered service points currently connected, and review impacts to customers.
AGM Hale led the workshop with a discussion of: (1) Background of Hetch Hetchy Power: (how Hetch Hetchy Power works; six priority strategies for the Power Business Plan focus on contain costs - "distribution"); (2) History of overcoming challenges (1913 to present); (3) Benefits to the City and lost

opportunity; (4) Projects hitting roadblocks to affordable grid access; (5) Roadblocks unnecessarily increase costs; (6) PG&E's arbitrary (primary service) requirements; (7) Examples of impacts and roadblocks to affordable grid access (roadblock delay duration, and potential loss of public benefit); and (8) Impacts to San Francisco (loss of City revenue and reinvestment, wasted City funds on staff time to remove roadblocks, greenhouse gas emissions, recreation opportunities, affordable housing, and safety and health).

AGM Hale responded to a question from VP Courtney regarding the Interconnection Agreement and its replacement. Brief discussion ensued.

GM Kelly provided additional comment on impacts of PG&E's requirements to the SFPUC, the City, and City projects. Commissioner Vietor noted there are also environmental impacts. Discussion ensued.

No public comment.

The Commission Secretary read the Closed Session items.

16. Public comment on matters to be addressed during Closed Session
None.

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

On Motion to assert:
Ayes: Kwon, Courtney, Caen Vietor, and Moran

The Commission entered Closed Session at 4:10 PM.

18. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
City and County of San Francisco v. County of Alameda
San Francisco Superior Court Case No.: CGC-564901
Date Filed: March 9, 2018

Commissioner Vietor was excused from the meeting at 4:15 PM.

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.

Case No.: ER15-702-000/Date Filed: December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.

Case No.: EL15-3-000/Date Filed: October 9, 2014

The Commission exited Closed Session at 4:32 PM.

25. Announcement following Closed Session.
None.

26. Motion on whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a).

On Motion not to disclose:
Ayes: Kwon, Courtney, Caen, and Moran

27. Other New Business
None.

28. Adjournment
President Kwon adjourned the meeting at 4:34 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0047**

WHEREAS, Construction has been completed for Contract No. WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands by the contractor, Yerba Buena Engineering & Construction, Inc.; and

WHEREAS, On September 13, 2011, by Resolution No. 11-0156, this Commission authorized the General Manager to negotiate and enter into Contract No. WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands in an amount not to exceed $6,499,000, to the sole, qualified, responsible and responsive bidder, Yerba Buena Engineering & Construction, Inc.; and

WHEREAS, On January 13, 2012, the General Manager entered into Contract WD-2641R Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands in the amount of $6,499,000 with Yerba Buena Engineering & Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for January 30, 2012, with an original contract duration of 1,718 consecutive calendar days and the contract work was completed on February 19, 2017; and

WHEREAS, On March 10, 2015, by Resolution No. 15-0068, this Commission approved an increase to the existing contract cost contingency in the amount of $522,328, and approved an increase in the contract duration contingency of up to 376 consecutive calendar days; and

WHEREAS, Pursuant to Resolution No. 15-0068, modification Nos. 1-11 were issued to modify the access road, grind additional stumps, hand clear Wetland A, add compost, remove invasive grasses, modify planting at Area 15, water plants, install security fencing, add berms at AGG and SAR, and remove coyote bush, increasing the total contract amount by $750,470 to a revised contract amount of $7,249,470, and increasing the total contract duration by 129 consecutive calendar days to a revised contract duration of 1,847 consecutive calendar days; and

WHEREAS, Modification No 12 (Final) is being requested for a $146,356 reduction of the contract amount to delete unused allowances and unused unit quantities, decreasing the total contract amount to $7,103,114; and

WHEREAS, The Contract Monitoring Division has determined that the contractor made a good faith effort to comply with the Local Business Enterprise (LBE) subcontracting goal of 15% by achieving a final LBE participation of 15.59%; and

WHEREAS, Funds are available from Project No. CUW38802 Bioregional Habitat Restoration; now, therefore, be it

RESOLVED, That this Commission hereby accepts the work performed by Yerba Buena Engineering & Construction, Inc. for Water Enterprise Water System Improvement Program funded-Contract No. WD-2641R, Habitat Reserve Program, Homestead Pond, San Andreas Reservoir Wetlands, Adobe Gulch Grasslands; approves Modification No. 12 (Final), reducing the contract amount by $146,356, for a total contract amount of $7,103,114 and a total contract duration of 1,847 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 27, 2018

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0048**

WHEREAS, Wastewater Enterprise (WWE) Operating/Capital Budget funded Contract No. WW-672, Wastewater Enterprise Elevator Maintenance, Repair and Modernization 2018-2021 was advertised on January 8, 2018; and

WHEREAS, The Engineer's Estimate is $1,500,000 for this construction contract to provide elevator maintenance, repair, and modernization services to maintain eighteen (18) WWE elevators in compliance with California State law, to maintain safe and proper operation, and for investment protection; and

WHEREAS, The contract duration is one-thousand one hundred twenty-five (1,125) consecutive calendar days (approximately 3 years); and

WHEREAS, Two (2) bids were received and opened publicly on February 15, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Kone Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD waived the Local Business Enterprise subcontracting participation requirement for this contract; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from WWE Operating/Capital Budget, Project No. CWWRNRTF57, Wastewater Enterprise Elevator Maintenance, Repair and Modernization 2018-2021; and

WHEREAS, This project does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; therefore be it,

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE Operating/Capital Budget-funded Contract No. WW-672, Wastewater Enterprise Elevator Maintenance, Repair and Modernization 2018-2021, in the amount of $1,316,300, for a duration of 1,125 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Kone, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 27, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0049**

WHEREAS, On June 14, 2016, by Resolution No. 16-0119, this Commission approved a Memorandum of Understanding (MOU) with Silicon Valley Clean Water (SVCW), Bay Area Water Supply & Conservation Agency (BAWSCA), and the California Water Service Company (Cal Water) to identify feasible options to treat and convey treated water from wastewater facilities to the water facilities through a feasibility study jointly funded by the parties, for an amount not-to-exceed $35,000, and with a total duration of 18 months; and

WHEREAS, The MOU was executed in November 2016, and had a 13-month term expiring December 2017; and

WHEREAS, Pursuant to the MOU, the parties have completed the first phase of a feasibility study but have determined that additional, more detailed analysis is required to determine whether further investment in a project is warranted; and

WHEREAS, The estimated cost of expanding the feasibility study to include a second phase of analysis (referred to herein as Phase 2) to include additional technical and institutional analysis is $160,000, with SFPUC's proposed contribution for Phase 2 not to exceed $50,000; and

WHEREAS, Phase 2 work is anticipated to begin in April 2018 and end in April 2020, requiring an extension of the MOU by 28 months, which includes a retroactive extension of four months; and

WHEREAS, The City of San Mateo and the City of Redwood City desire to partner with the original parties to the MOU determine whether an indirect potable reuse project may be viable for water supply, and towards that end, the parties wish to add San Mateo and Redwood City as parties to the MOU; and

WHEREAS, Funds for this amendment will be available at the time of execution of the amendment from Project No. CUW274 Potable Reuse & Other Supplies; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to negotiate and execute Amendment No. 1 to the Memorandum of Understanding with Silicon Valley Clean Water, BAWSCA, and Cal Water for the Potable Reuse Exploratory Plan, to add the City of Redwood City and City of San Mateo as parties, increase the SFPUC's contribution by $50,000 for a total not-to-exceed amount of $81,000, and increase the duration of the MOU by 28 months, for a total term of 41months, expiring April 2020.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0050**

WHEREAS, On April 9, 2013, pursuant to Resolution No. 13-0053, this Commission awarded Water Enterprise-funded Agreement Nos. CS-211A-D, Specialized and Technical Services, Natural Resources Division, Water Enterprise, to CDM Smith/ATS, a Joint Venture (CS-211A), ICF+Avila, a Joint Venture (CS-211B), Shaw Environmental and Infrastructure, Inc. (CS-211C), and URS Corporation (CS-211D), to provide permit compliance monitoring of Water System Improvement Program (WSIP) habitat mitigation sites, with an initial amount of $5,000,000 for each contract, and each with a term of 14 years, concluding on June 15, 2027, subject to Board of Supervisors approval under Charter Section 9.118; and

WHEREAS, On June 11, 2013, the Board of Supervisors approved the award of Agreement Nos. CS-211A-D by File No. 130404; and

WHEREAS, On July 26, 2016, by Resolution No. 16-0149, this Commission approved amendments to reduce the amount of CS-211C and spread the unused contract capacity of CS-211C to one or more of the remaining three agreements, with no single agreement exceeding $7,500,000, and with no change to the contract duration; and

WHEREAS, Pursuant to Resolution No. 16-0149, the SFPUC executed amendments increasing CS-211B and CS-211D by $1,490,000 each for a not to exceed amount of $6,490,000 each, and reducing CS-211C by $4,485,000 to $515,000; and

WHEREAS, Additional contract capacity is now needed in Agreements CS-211A and CS-211D to continue the work required by federal and state environmental permits associated with the WSIP projects; and

WHEREAS, The Contract Monitoring Division (CMD) established a sub-consulting requirement of 13% Local Business Enterprise (LBE) participation, of the total value of services to be provided, for each of these agreements; and

WHEREAS, Funds for these amendments will be available from Project No. 10015234 Alameda Watershed Monitoring; and Project No. 10015235 Peninsula Watershed Monitoring; now, therefore, be it

RESOLVED, That this Commission hereby approves amendments to Water Enterprise-funded Agreement Nos. CS-211A and CS-211D, and authorizes the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute future amendments to Agreement No. CS211A in the amount of $1,500,000, for a total not-to-exceed amount of $6,500,000, and to Agreement No. CS211D in the amount of $1,000,000, for a total not-to-exceed amount of $7,490,000, with no change in contract durations, subject to Board of Supervisors approval pursuant to Charter Section 9.118; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager to request that the Board of Supervisors retroactively ratify the SFPUC's 2016 amendments to Water Enterprise-funded Agreement Nos. CS-211B, C, and D, which increased Agreements CS-211B and CS-211D by $1,490,000 each, and decreased Agreement CS-211C by $4,485,000, with no change in contract duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 27, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0051**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC)'s mission is to provide its customers with high quality, efficient and reliable water, power, and sewer services in a manner that is inclusive of environmental and community interests, and that sustains the resources entrusted into its care; and

WHEREAS, To comply with State Water Resources Control Board (State Water Board) Order WQG 81-1, the City and County of San Francisco constructed commercial greenhouses at 1150 Phelps Avenue in San Francisco (the "Greenhouses") and the adjacent Southeast Community Facility (SECF) in the 1980s, , and the Board of Supervisors adopted legislation in 1987 to create the SECF Commission, a seven-member mayoral-appointed board that provides guidance to ensure that the operations of the SECF and Greenhouses benefit residents of Bayview-Hunters Point and thereafter all other residents of the City; and

WHEREAS, In 2015, SFPUC commissioned a comprehensive assessment of the Greenhouses' physical condition, which revealed that the facilities were in a state of disrepair, and due to health and safety concerns, SFPUC offered relocation assistance to the three greenhouse tenants and their employees; and

WHEREAS, SFPUC General Manager Harlan L. Kelly, Jr., directed staff to engage community stakeholders to identify options for fulfilling the mitigation agreement and ensuring no gap in providing services required by the State Water Board order; and

WHEREAS, SFPUC conducted extensive stakeholder engagement and public outreach from January 2016 to August 2016 that included a door-to-door campaign of 2,400 households, 13 focus groups, 11 presentations, and 21 community events; and in this process over 1,000 people responded to a detailed survey, 67% of whom lived in the 94124 Zip Code; and

WHEREAS, More than 60% of residents who shared feedback on an interim plan to fulfill the mitigation agreement preferred a grants program in Bayview-Hunters Point that supports urban agriculture, land use and workforce development opportunities; and

WHEREAS, The SECF Commission passed a resolution on October 5, 2016 endorsing the findings of the SFPUC's engagement process and encouraging the SFPUC to move forward with the creation of an interim Greenhouse grants program; and

WHEREAS, The SFPUC Citizen Advisory Committee (CAC) adopted a resolution on October 18, 2016 urging the SFPUC to develop an interim Greenhouse and workforce development grants program; and

WHEREAS, On November 8, 2016, this Commission adopted Resolution No. 16-0233 supporting the recommendations of the SECF Commission and CAC, as well as the development of an interim Greenhouse grants program that provides environmental land use, urban agriculture, and workforce development opportunities consistent with the City's existing obligations and objectives served by the existing greenhouses; and

WHEREAS, On November 27, 2017, SFPUC staff issued a Solicitation for Grant Requests for the "Interim Greenhouse Grant Program" to provide a total of $1 million in grant funding over three years to local non-profits to help residents from San Francisco's 94124, 94134, and 94107 zip codes overcome barriers to employment and develop the necessary skills to secure living-wage jobs in the horticulture, urban agriculture, food services, and related green sector industries; and

WHEREAS, A five-member Selection Committee comprised of two SFPUC staff, a former District 10 Supervisor, a member of the SECF Commission, and a local expert in urban agriculture reviewed proposals, conducted site visits, and interviewed the six responsive respondents, and identified Hunters Point Family, Old Skool Café, and the San Francisco Conservation Corps as the three best qualified responsive respondents to the solicitation; and

WHEREAS, The selected grantees will be required to help residents from San Francisco's 94124, 94134, and 94107 zip codes overcome barriers to employment and develop the necessary skills to secure living-wage jobs in the horticulture, urban agriculture, food services, and related green sector industries; and grantees must maintain a regular presence at the SECF by providing regular updates to the SECF Commission, participating in cohort activities and pre-apprenticeships facilitated by the SFPUC and partners, and ensuring all program participants are exposed to and may participate in pre-apprenticeship programs that provide career pathways to full-time union employment; and

WHEREAS, Funds will be available from Wastewater Enterprise Interim Greenhouse Grant Program (Project No. 10025779 - $600,000) and Effective Workforce (Project No. 10025772 - $100,000); now, therefore, be it

RESOLVED, That this Commission hereby approves the recommendations of the Interim Greenhouse Grant Program Selection Committee and awards three Interim Greenhouse Grants, each for a duration of two years, to (1) Hunters Point Family for an amount not-to-exceed $350,000 (PRO.0099(G).A), (2) Old Skool Café for an amount not-to-exceed $175,000 (PRO.0099(G).B), and (3) San Francisco Conservation Corps for an amount not-to-exceed $175,000 (PRO.0099(G).C); and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to amend each agreement in the future to (1) extend the term by no more than one year and (2) increase the cumulative amount for PRO.0099(G).A-C by an amount not-to-exceed $300,000, subject to availability of funds.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of March 27, 2018.

Donna Hood

Secretary, San Francisco Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, April 10, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ ้าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of March 27, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Declaration of Emergency – March Storm Event
   e) Proposed Water and Wastewater Rates Communications
   f) Proposed Water and Wastewater Rates Protest Letters
   g) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection a nd copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

   a) Approve **Amendment No. 3 to Agreement No. CS-224.A**, System Integration and Support Services – Related to Project Controls, with MLok Consulting, Inc., to provide the SFPUC with continued specialized system integration and support services to implement and improve the delivery of its Capital Improvement Programs and Capital Projects for all SFPUC

180057

Enterprises; and authorize the General Manager to execute this amendment, increasing the agreement by $1,500,000, for a total not-to-exceed amount of $7,600,000, and extending the contract duration by two years, for a total contract duration of eight years. (How)

b) Approve the plans and specifications, and award **Contract No. HH-980**, Lower Cherry Aqueduct Rehabilitation, in the amount of $2,946,868, to the lowest, qualified, responsible and responsive bidder, K.W. Emerson, Inc., to perform rehabilitation measures on the Lower Cherry Aqueduct. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180058

c) Approve the plans and specifications, and award **Contract No. HH-992**, Modesto Transmission Line Clearance Mitigation, in the amount of $1,711,000, to the lowest, qualified, responsible and responsive bidder, Big Valley Electric, to perform modifications to existing transmission towers including portions of Lines 7&8 from Warnerville Switchyard to Standiford Substation, and Lines 3&4 from Standiford Substation to Newark Substation, to provide required conductor clearances. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180059

d) Accept work performed by Anvil Builders, Inc. for **Contract No. WW-605R**, Mission and Valencia Streets Green Gateway; approve Modification No. 8 (Final) decreasing the contract amount by $64,965, and increasing the contract duration by 257 consecutive calendar days (approximately eight and a half months), for a total contract amount of $3,496,041, and with a total contract duration of 677 consecutive calendar days (approximately one year, 10 months); and authorize final payment to the contractor. (How)

180060

e) Accept work performed by M Squared Construction, Inc., for **Contract No. WW-609R**, Holloway Green Street Stormwater Improvements; approve Modification No. 7 (Final), decreasing the contract by $241,059, with a time extension of 86 consecutive calendar days (approximately three months), for a total contract amount of $5,879,607, and a total contract duration of 681 consecutive calendar days (approximately one year and 10 months); and authorize final payment to the contractor. (How)

180061

REGULAR SESSION

9. Public Hearing: Discussion and possible action to approve the project-level scope, schedule, and budget of the **March 2018 Proposed Revised Water System Improvement Program** and direct staff to send a **Notice of Change Report** to the California Joint Legislative Audit Committee, the State Water Resources Control Board, and the Alfred E. Alquist Seismic Safety Commission in compliance with California Assembly Bills 1823 and 2437. Proposed changes to the WSIP include: (1) the extension of the overall program completion date from December 20, 2019 to December 30, 2021; (2) the increase of the forecast cost of regional projects by $42 million from $4,373,800,000 to $4,415,800,000 (1% increase); and (3) a scope change to the Regional Groundwater Storage

180052

and Recovery Project, as well as less significant scope refinements for several other regional projects. (How)

10. **Presentation by the Rate Fairness Board** on proposed rates, fees and charges for retail water service and retail wastewater service, water and wastewater capacity charges, miscellaneous fees and charges and CleanPowerSF rates. (discussion only) (Ash)

11. Public Hearing to consider and adopt a **new four-year schedule of rates for retail water service in San Francisco and suburban areas to be effective with meter readings on or after July 1, 2018**. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

180053

12. Public Hearing to consider and adopt a **new four-year schedule of rates for wastewater service in San Francisco to take effect on or after July 1, 2018**. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

180054

13. Public Hearing to consider and adopt **revisions to water and wastewater capacity charges for new service, increased service, or a change in service provided by the San Francisco Public Utilities Commission to take effect on or after July 1, 2018**. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

180055

14. Public Hearing**:** Discussion and possible action **to approve revised schedule of rates and charges for the San Francisco Public Utilities Commission Power Enterprise CleanPowerSF program** service in San Francisco to take effect July 1, 2018. If adopted, the proposed rates would: (1) increase Green product rates by 5%, on average, for all classes, while maintaining a 2% discount from PG&E rates after accounting for the Power Charge Indifference Adjustment and Franchise Fee Surcharge; (2) decrease SuperGreen premium rates for specified rate classes; and (3) set residential and commercial customer program termination fees to $0 until the end of Citywide enrollment, December 31, 2019. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

180056

15. Public comment on matters to be addressed during Closed Session

16. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following item(s):

No Closed Session
due to time constraint.
Item rescheduled to
April 24, 2018

17. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (Rosenblit)

    Existing Litigation
    Luis Adolfo Marquez vs. City and County of San Francisco
    San Francisco Superior Court Case No.: CGC-16-554676
    Date Filed: October 5, 2016
    Proposed settlement of action with release of all claims and the City to pay $150,000.

18. Announcement following Closed Session

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

20. Other New Business (discussion only)

21. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, April 10, 2018
(Approved April 24, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon stated that due to the lack of quorum the meeting would be delayed. President Kwon called the meeting to order at 2:45 PM.

   President Kwon stated the order of items on the agenda would be revised and that there would be no Closed Session. Items were heard in the following order: 1 through 4; 9 through 14; and 5 through 8.

   President Kwon announced that the three-minute time limit for public comment would be enforced.

2. Roll Call
   Present: Kwon, Caen, and Moran
   Excused: Vice President Courtney and Commissioner Vietor.

   The Commission Secretary read the following announcement: "On today's Agenda, the Commission will be considering under Item 11, the Proposal to Adopt Water Rates for FYE 2019-2022, and under Item 12 the Proposal to Adopt Wastewater Rates for FYE 2019-2022. The Commission has received written protests against the proposed rates by mail and considered those protests pursuant to Proposition 218. Any property owner or customer who is submitting a written protest in person today should submit his or her written protest to me before the Commission acts on these items later in the meeting."

3. Approval of the Minutes of March 27, 2018
   On Motion to approve the Minutes of March 27, 2018:
   Ayes: Kwon, Caen, and Moran

   No public comment.

4. General Public Comment
   - *Robert Rossi discussed stormwater and wastewater run-off on soft-scapes, stating that since the water is absorbed the owner should be exempt from fees.*
   - *Peter Drekmeier, Tuolumne River Trust, discussed the Bay Delta Plan and what they view as failed efforts to work in collaboration with the SFPUC on the Plan.*
   - *Wendy Liu, ABC Supermarket, discussed the long duration of construction work and the negative effect on her business.*

   President Kwon stated that item 9 would be heard next.

9. Public Hearing: Discussion and possible action to approve the project-level scope, schedule, and budget of the March 2018 Proposed Revised Water System Improvement Program (WSIP) and direct staff to send a Notice of Change Report to the California Joint Legislative Audit Committee, the State Water Resources Control Board, and the Alfred E. Alquist Seismic Safety

Commission in compliance with California Assembly Bills 1823 and 2437. Proposed changes to the WSIP include: (1) the extension of the overall program completion date from December 20, 2019 to December 30, 2021; (2) the increase of the forecast cost of regional projects by $42 million from $4,373,800,000 to $4,415,800,000 (1% increase); and (3) a scope change to the Regional Groundwater Storage and Recovery Project, as well as less significant scope refinements for several other regional projects. (Resolution 18-0052)

Dan Wade, WSIP Director, indicated the last program-wide changes occurred in March 2016, and that the schedules for three projects were approved in February 2017.

He summarized the March 2018 proposed revised WSIP changes: (1) Scope refinements to seven projects (Regional Groundwater Storage and Recovery; Calaveras Dam replacement; Watershed and Environmental Improvement Program; and WSIP Closeouts for San Joaquin Region, Sunol Valley Region, Bay Division Region, and Peninsula Region); (2) Revise program completion to December 30, 2021 (24-month extension); and (3) Revise Program budget to $4,787.8M ($42M increase for regional projects (1%); and $57.7M overall decrease due to revised forecast of financing costs (-1.2%). Mr. Wade briefly discussed the proposed scope refinements for each project as well as the budget revisions and variances.

In response to a question from Commissioner Moran regarding problems with the San Bruno site, Director Wade stated the problems are institutional and real-estate related.

Director Wade acknowledged the April 3, 2018 correspondence received from BAWSCA containing seven recommendations. He stated there is no problem with the recommendations. However, he requested a deadline of June 1st rather than May 1st to comply with recommendation number five.

Public Comment

- *Nicole Sandkulla, BAWSCA CEO, read a statement about proposed changes in San Francisco's Water System Improvement Program, including their impact on future supply for the Water Users BAWSCA represents. Copies of the statement were distributed to the Commission.*

In response to a question from Commissioner Moran, CEO Sandkulla stated staff's request to change the deadline for recommendation number 5 from May 1st to June 1st is acceptable.

On Motion to approve Item 9, as amended to include the seven recommendations outlined in the April 3, 2018 BAWSCA correspondence, and with a change to the deadline for recommendation five from May 1, 2018 to June 1, 2018:
Ayes: Kwon, Caen, and Moran
The Commission Secretary stated that items 10 through 13 would be heard together. Items 11, 12, and 13 were presented first by AGM Sandler,

followed by Item 10, presented by Mr. Ash, Chair of the Revenue Bond Oversight Committee. She noted that following the presentations there would be a call for public comment on each item separately, with up to three minutes of public comment on each item. Following completion of public comment, the Commission would vote separately on items 11, 12, and 13.

10. Presentation by the Rate Fairness Board on proposed rates, fees and charges for retail water service and retail wastewater service, water and wastewater capacity charges, miscellaneous fees and charges and CleanPowerSF rates.

11. Public Hearing to consider and adopt a new four-year schedule of rates for retail water service in San Francisco and suburban areas to be effective with meter readings on or after July 1, 2018. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0053)

12. Public Hearing to consider and adopt a new four-year schedule of rates for wastewater service in San Francisco to take effect on or after July 1, 2018. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0054)

13. Public Hearing to consider and adopt revisions to water and wastewater capacity charges for new service, increased service, or a change in service provided by the San Francisco Public Utilities Commission to take effect on or after July 1, 2018. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0055)

Eric Sandler, Chief Financial Officer (CFO) and Assistant General Manager (AGM) Business Services introduced items 10 through 13 and outlined the items for consideration: (1) Retail Water Rates Proposal FYE 2019-FYE 2022; (2) Wastewater Rates Proposal FYE 2019-FYE 2022; and (3) Water and Wastewater Capacity Charges. He briefly reviewed items scheduled for May 8, 2018, including Miscellaneous Fees and Charges.

CFO Sandler discussed the background and procedural requirements for the rate study, including San Francisco Charter requirements and California Proposition 218 legal requirements. He reviewed the timeline of past and future rate study/rate-related activity dating from April 2016 through July 2018, and noted stakeholder involvement in the process.

CFO Sandler discussed the policy framework within which the rate study was conducted as well as the rate study process. He noted the three key work scopes:
(1) Revenue Requirement Analysis. Incorporates the Commission adopted two-year budget and 10-year Capital Improvement and Financial Plans.

Capital costs represent 80% of the increase in the revenue requirement during the four years. He discussed retail water sales volume assumptions noting actual historic volumes, assumptions contained in the10-year financial plan projections, and assumptions contained in the rate study; (2) Cost of Service Analysis: Allocates system costs to customer classes which are established based on usage characteristics. He highlighted key updates during the study; and (3) Rate Design: Fixed Charges: fixed monthly service charges recover a portion of costs that do not vary based on usage; he noted a proposed fixed charge for wastewater to be phased-in over the four year period; Rate Design: Water Residential Variable Charges: no change recommended to tier breakpoints; cost-of-service reflects updated allocation of a share of peaking costs and all conservation costs to the second tier; phasing-in adjustments to cost allocation over four years; Rate Design: Water Non-residential Variable Charges: recommended customer-type consolidation into single commercial rate; supports Ratepayer Assurance Policy principle of simplicity.

AGM Sandler reviewed current and proposed average single family residential bills, noting that each year during the four-year period the combined monthly bill will increase an average of $10.30 (8.4% increase). He provided a peer agency monthly combined water and wastewater bill comparison, noting that not all peer agencies include stormwater runoff costs with their monthly wastewater bill.

He stated that as part of the rates package there is a request for a temporary drought surcharge, that would only be triggered by Commission action pursuant to the Water Shortage Allocation Plan, calling for reduced water usage in response to a supply shortage. He discussed steps to the drought surcharge implementation and removal process.

CFO Sandler provided background of the Capacity Charge, noting it was adopted for water in 2005, and for wastewater in 2007. It ensures customers who need additional system capacity pay a fair amount compared to what existing customers have already paid to build-out the system. He stated that the Commission has adopted the "buy-in" calculation method. Pursuant to the calculation he indicated the wastewater capacity charge would increase by 4% and the water capacity charge would increase by 35%. He provided a peer agency capacity charge comparison.

CFO Sandler concluded his presentation and introduced Todd Elmer, Chief Communications Officer, who presented on the Commission's rates education and outreach efforts. Mr. Elmer reviewed key messages delivered to customers (essential services, upgrades to protect public health and the environment, and rate increases necessary to pay for critical system upgrades).

Mr. Elmer stated that 238,500 official public notices (Prop 218) and 500 stormwater notices were mailed in February, and newsletters and flyers were mailed with monthly bills between January and April. He noted presentations

were offered to more than 480 organizations, and that presentations were held in every San Francisco district (59 presentations). He reviewed educational materials that were provided as part of the education and outreach efforts; discussed digital outreach (reaching 1,153,600); and media coverage. He provided a snapshot of community feedback and the results of comment cards, stating of those returned 87% of respondents indicated they learned about the water and sewer systems, and 85% of respondents learned what rates pay for. He stated community members expressed appreciation for outreach and education efforts and that they have a better understanding as to why the rates increase is necessary. He concluded with a review of next steps.

Commissioner Caen complemented Mr. Elmer on his team's outreach and education efforts regarding the critical work to be done.

Mr. Howard Ash, Chair, Rate Fairness Board (RFB), discussed the RFB review of the rates proposal and recommendations. He reviewed the membership of the RFB, recognized those members in attendance and thanked them for their work. He discussed multiple rate-setting objectives, stating fairness of rates is important. He summarized 17 years of change at the SFPUC (2001 to present) and the rates changes that have been completed during those years.

He discussed the purpose of the RFB stating they were established by §8B.125 of the San Francisco Charter. He discussed the RFB process, indicating they had 14 meetings during the rate cycle September 2016 to April 2018. He discussed the rate study/rate proposal outcomes; RFB water and wastewater rate; and touched on CleanPowerSF not-to-exceed rates.

Chair Ash presented the RFB recommendations: (1) Approve four-year rates package for water and wastewater; (2) Approve four-year rates for fire sprinkler service; (3) Approve update water and wastewater capacity charges and miscellaneous charges; and (4) Approve CleanPowerSF "not-to-exceed" rates.

He noted the RFB also recommends approval of the pilot program for new wastewater customers without a meter and the drought surcharge proposal which adds another tool for fiscal management.

Chair Ash expressed RFB concerns and issues: (1) Affordability findings are troubling – need to increase outreach, enrollment, and funding (recommend linking outreach to Prop 218 protests about affordability); (2) Fire service rates – third consecutive meaningful change in cost allocations; (3) RFB looks forward to results of the new wastewater customer pilot program suggests SFPUC should advertise alternatives (permeable pavement options, rebates, etc.); and (4) Use drought surcharge with great care.

He provided RFB long-term thoughts: most multi-family residential customers remain without price signals for conservation; concern there is a hidden

affordability crisis – recommend investigating other metrics of affordability and improve and expand outreach and funding for Community Assistance Program (CAP).

Commissioner Moran thanked Chair Ash for his thoughtful policy presentation. He asked Mr. Ash to provide specific recommendations regarding use of the drought surcharge.

President Kwon thanked Chair Ash and the RFB members for their work.

President Kwon called for separate public comment on items 10, 11, 12 and 13.

Item 10 - Public Comment

- *Adrian Covert, Bay Area Council, submitted a letter on behalf of the Bay Area Council recommending the Commission approve the rate proposals.*
- *Ted Lowenberg expressed concern regarding affordability of the rate increases. He stated the rate proposal exceeds the projected inflation rate. He suggested that the burden be spread burden to all users and tax, such as France's habitation tax be implemented.*

President Kwon closed public comment on item 10

Item 11 - Public Comment

- *Shakirah Simley, Executive Director, Southeast Community Facility (SEFC) Commission, read portions of SFFC Resolution 18-0001, which supports the adoption of the proposed water and wastewater rates and urges efforts to enroll low-income residents in the CAP program. The resolution was distributed to the Commission.*
- *Eileen Boken expressed opposition to the proposed water rates. She stated the water rates are being set without renegotiating of the Master Sales Water Agreement with the Peninsula. She discussed the use of blended groundwater. She provided a graphic of the Capital Planning budget requests and discussed blended water and Auxiliary Water Supply System.*
- *Tracy Thompson expressed opposition to the rate increases. She stated there is a waste of money at the SFPUC. She doesn't understand how the rate increase is critical and expressed concern with the protest process.*

Item 12 - Public Comment
None.

Item 13 - Public Comment
None.

President Kwon read the following announcement:

"With regard to Agenda Items 11 and 12, the Commission is holding today's public hearing on the Proposal to Adopt Water and Wastewater Rates for FYE 2019-2022 in accordance with Article XIII D, Section 6, of the California Constitution, also known as Proposition 218. Proposition 218 requires that the Commission consider all protests against the proposed rates and provides that the Commission shall not impose the proposed rates if written protests are presented by a majority of affected property owners.

In February, the SFPUC provided affected property owners with written notice of the proposed rates and the date, time, and location of this hearing. The written notice advised property owners of their right to protest the proposed rates and instructed that any written protest be mailed to the Commission Secretary or be hand delivered at today's hearing in order to be counted. The notice also instructed that any written protest must: (1) state that the property owner or customer is in opposition to the proposed rates increase; (2) provide the location of the affected property (by assessor's parcel number, street address, or customer account); and (3) include the name and signature of the person submitting the protest. The notice stated that oral comments at the public hearing would not qualify as a formal protest unless accompanied by a written protest, but the SFPUC would welcome all input from the community during the public hearing.

The Commission has received 190 written protests by mail, and 4 written protests were hand delivered to the Commission Secretary at today's hearing. SFPUC has 167,738 property owners or customers with water or wastewater accounts. The total number of written protests received, thus does not amount to a majority of the affected property owners or customers.

Having counted and considered all protests against the proposed rates in accordance with Proposition 218, the Commission may act to adopt the proposed rates."

Commissioner Moran discussed the rate increases compared to the rate of inflation. He noted policies developed to address the operating budget (limited to rate of inflation), and stated most of the rate increase is due to capital projects and is to obtain a specific non-recurring facility and outcome.

President Kwon called for individual motions and votes on items 11, 12, and 13:

***Item 11**: Adopt a new four-year schedule for retail water service in San Francisco and suburban areas to be effective with meter readings on or after July 1, 1018.*

On Motion to approve Item 11:
Ayes: Kwon, Caen and Moran

***Item 12:** Adopt a new four-year schedule of rates for wastewater service in San Francisco to take effect on or after July 1, 2018.*

On Motion to approve Item 12:
Ayes: Kwon, Caen and Moran

Item 13: *Adopt revisions to water and wastewater capacity charge for new service, increased service, or a change in service provided by the SFPUC to take effect on or after July 1, 2018.*

On Motion to approve Item 13:
Ayes: Kwon, Caen and Moran

14. Public Hearing: Discussion and possible action to approve revised schedule of rates and charges for the San Francisco Public Utilities Commission Power Enterprise CleanPowerSF program service in San Francisco to take effect July 1, 2018. If adopted, the proposed rates would: (1) increase Green product rates by 5%, on average, for all classes, while maintaining a 2% discount from PG&E rates after accounting for the Power Charge Indifference Adjustment and Franchise Fee Surcharge; (2) decrease SuperGreen premium rates for specified rate classes; and (3) set residential and commercial customer program termination fees to $0 until the end of Citywide enrollment, December 31, 2019. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0056)
Charles Perl, Deputy CFO, stated the item represents the annual review of CleanPowerSF rates for the upcoming fiscal year. He noted the rate adjustments were presented to the Rate Fairness Board and their recommendation was approval.

CFO Perl reviewed proposals for the following rates: (1) Green Rates: Increase rates 5% on average but maintain a 2% discount relative to PG&E after accounting for surcharges; and rates recover operating costs, satisfy financial covenants and fund program reserves; (2) SuperGreen Rate Premiums: Reduce medium and large commercial premiums from 1.0 cents per kWh to 0.5 cents per kWh; and SuperGreen revenues projected to recover SuperGreen costs; and (3) Late Opt-out Fee: Set residential and commercial termination fees to $0 through the end of the citywide enrollment period.

Mike Hyams, Director, CleanPowerSF, presented on the implications of the rates proposal and discussed what CleanPowerSF rates will look like as compared to comparable current PG&E service rates. He noted the proposed SuperGreen adjustment recovers incremental costs. He reviewed the financial forecast for FYE 19, including Green and SuperGreen. He indicated proposed saving are greater than in the past.

No public comment.

On Motion to approve Item 14:

Ayes: Kwon, Caen and Moran

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Declaration of Emergency – March Storm Event
   e) Proposed Water and Wastewater Rates Communications
   f) Proposed Water and Wastewater Rates Protest Letters
   g) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   None.

7. Report of the General Manager
   a) CleanPowerSF Update
   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment and Customer Accounts: 81,000 accounts; finalizing April enrollment; Opt-out rate 3.2%; 4.2% SuperGreen upgrade rate; Next enrollment July 2018 which will increase customer count to around 105,000 with the addition of mostly commercial accounts and 235 MW average; Master Agreements and confirmations being signed by General Manager; on course to enroll all eligible San Francisco accounts by July 2019; and (2) Regulatory: California PUC is in rulemaking to address PICA. She provided and update on California CCA program's Principles which will be brought to the CPUC.

   No public comment.

   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
   None.

8. *Consent Calendar*
   a) Approve Amendment No. 3 to Agreement No. CS-224.A, System Integration and Support Services – Related to Project Controls, with MLok Consulting, Inc., to provide the SFPUC with continued specialized system integration and support services to implement and improve the delivery of its Capital Improvement Programs and Capital Projects for all SFPUC Enterprises; and authorize the General Manager to execute this amendment, increasing the agreement by $1,500,000, for a total not-to-exceed amount of $7,600,000, and extending the contract duration by two years, for a total contract duration of eight years. (Resolution 18-0057)

   b) Approve the plans and specifications, and award Contract No. HH-980, Lower Cherry Aqueduct Rehabilitation, in the amount of $2,946,868, to the lowest, qualified, responsible and responsive bidder, K.W. Emerson,

Inc., to perform rehabilitation measures on the Lower Cherry Aqueduct. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0058)

c) Approve the plans and specifications, and award Contract No. HH-992, Modesto Transmission Line Clearance Mitigation, in the amount of $1,711,000, to the lowest, qualified, responsible and responsive bidder, Big Valley Electric, to perform modifications to existing transmission towers including portions of Lines 7&8 from Warnerville Switchyard to Standiford Substation, and Lines 3&4 from Standiford Substation to Newark Substation, to provide required conductor clearances. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0059)

d) Accept work performed by Anvil Builders, Inc. for Contract No. WW-605R, Mission and Valencia Streets Green Gateway; approve Modification No. 8 (Final) decreasing the contract amount by $64,965, and increasing the contract duration by 257 consecutive calendar days), for a total contract amount of $3,496,041, and with a total contract duration of 677 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0060)

e) Accept work performed by M Squared Construction, Inc., for Contract No. WW-609R, Holloway Green Street Stormwater Improvements; approve Modification No. 7 (Final), decreasing the contract by $241,059, with a time extension of 86 consecutive calendar days, for a total contract amount of $5,879,607, and a total contract duration of 681 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0061)

No public comment.

On Motion to approve the Consent Calendar:
Ayes: Kwon, Caen, and Moran

President Kwon stated there would be no Closed Session. The scheduled item will be rescheduled to the April 24, 2018 meeting.

15. Public comment on matters to be addressed during Closed Session

16. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

17. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation

Luis Adolfo Marquez vs. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-554676
Date Filed: October 5, 2016
Proposed settlement of action with release of all claims and the City to pay $150,000

18. Announcement following Closed Session

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

20. Other New Business
None.

21. Adjournment
President Kwon adjourned the meeting at 4:46 PM.

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO. **18-0052**

WHEREAS, On May 28, 2002, per Resolution No. 02-0101, this Commission approved a Long-Term Strategic Plan for Capital Improvements, a Long-Range Financial Plan and a Capital Improvement Program (CIP); and

WHEREAS, On November 5, 2002, San Francisco residents voted to approve Proposition A (Water System Improvement Revenue Bonds and Imposition of Surcharge on Retail Water Customers), a revenue bond measure to fund the CIP approved by the Commission on May 28, 2002; and

WHEREAS, On February 26, 2003, pursuant to the requirements of California Assembly Bill (AB) 1823, the San Francisco Public Utilities Commission (SFPUC) submitted to the California Department of Health Services (now the California Department of Public Health) a report outlining the projects, schedule and implementation plan for the CIP; and

WHEREAS, On November 29, 2005, per Resolution No. 05-0176, this Commission approved project-level changes to the CIP and by doing so endorsed the revised scope, schedule and budget of individual projects and renamed the program the Water System Improvement Program (WSIP) ("December 2005 WSIP"); and

WHEREAS, On February 26, 2008, per Resolution No. 08-0024, this Commission approved project-level changes to the WSIP and by doing so endorsed the revised scope, schedule and budget of individual projects ("December 2007 Revised WSIP"); and

WHEREAS, On July 28, 2009, per Resolution No. 09-0125, this Commission approved project-level changes to the WSIP and by doing so endorsed the revised scope, schedule and budget of individual projects ("June 2009 Revised WSIP"); and

WHEREAS, On July 12, 2011, per Resolution No. 11-0109, this Commission approved project-level changes to the WSIP and by doing so endorsed the revised scope, schedule and budget of individual projects ("June 2011 Revised WSIP"); and

WHEREAS, On June 12, 2012, per Resolution No. 12-0099, this Commission approved budget and schedule changes for three individual WSIP projects – New Irvington Tunnel, Bay Division Pipeline (BDPL) Reliability Upgrade – Pipeline ("BDPL No. 5") and Pulgas Balancing – Modification of the Existing Dechloramination Facility; and

WHEREAS, On October 9, 2012, per Resolution No. 12-0181, this Commission approved budget changes for four individual WSIP projects – San Joaquin Pipeline (SJPL) System, Tesla Treatment Facility, Vegetation Restoration of WSIP Construction Sites (new project), and Program Management; and

WHEREAS, On January 22, 2013, per Resolution No. 13-0020, this Commission approved budget and schedule changes for one individual WSIP project – Calaveras Dam Replacement (CDRP), after reviewing and considering the California Environmental Quality Act (CEQA) Findings and statement of overriding considerations that it previously adopted for the WSIP and CDRP approvals, along with the CEQA Findings contained in Addendum No.1 to the CDRP EIR issued by the Planning Department on December 13, 2012, and this Commission adopted those additional CEQA Findings for the CDRP modifications, which findings are incorporated in this Resolution by this reference; and

WHEREAS, On April 23, 2013, per Resolution No. 13-0060, this Commission approved project-level changes to the WSIP and by doing so endorsed the revised scope, schedule and budget of individual projects ("March 2013 Revised WSIP"); and

WHEREAS, On April 22, 2014, per Resolution No. 14-0065, this Commission approved project-level changes to the WSIP and by doing so endorsed the revised scope, schedule and budget of individual projects ("March 2014 Revised WSIP"); and

WHEREAS, On December 8, 2015, per Resolution No. 15-0263, this Commission approved schedule changes for six individual WSIP projects – San Joaquin Pipeline System, San Antonio Backup Pipeline, Seismic Upgrade of BDPL Nos. 3&4, BDPL Reliability Upgrade – Pipeline (BDPL No. 5), and Vegetation Restoration of WSIP Construction Sites; and

WHEREAS, On April 26, 2016, per Resolution No. 16-0071, this Commission approved scope, schedule, and budget changes to four WSIP projects – Alameda Creek Recapture, Calaveras Dam Replacement, Bioregional Habitat Restoration, and Watershed Environmental Improvement Program, and the addition of Closeout Projects to four WSIP regions – San Joaquin, Sunol Valley, Bay Division, and Peninsula ("March 2016 Revised WSIP"); and

WHEREAS, On February 14, 2017, per Resolution No. 17-0026, this Commission approved schedule changes to three WSIP projects – New Irvington Tunnel, Seismic Upgrade of BDPL Nos. 3&4, and Security System Upgrade; and

WHEREAS, A Final Programmatic Environmental Impact Report ("PEIR") was prepared for the WSIP and certified by the Planning Commission on October 30, 2008 by Motion No. 17734, and thereafter, this Commission approved the WSIP and adopted findings and a Mitigation Monitoring and Reporting Program (MMRP), as required by the CEQA on October 30, 2008 per Resolution No. 08-0200, which findings are incorporated in this Resolution by this reference; and

WHEREAS, The PEIR and SFPUC Resolution No. 08-0200 have been made available for review by the SFPUC and the public, and those files are part of the record before this Commission; and

WHEREAS, This Commission has reviewed and considered the information contained in the PEIR, the findings contained in SFPUC Resolution No. 08-0200, and all written and oral information provided by the Planning Department, the public, relevant public agencies, SFPUC and other experts; and

WHEREAS, The SFPUC has completed environmental review of all but one of the individual WSIP projects, and is proceeding to complete the environmental review process for the remaining project, as authorized by and in accordance with CEQA; and

WHEREAS, Water Code Section 73502(d)(2) requires that the City provide written notice, not less than 30 days prior to the date of a meeting of the City Agency responsible for management of the Bay Area Regional Water System, that a change in the program is to be considered, and that all Bay Area wholesale customers shall be permitted to testify or otherwise submit comments at such meeting; and

WHEREAS, On March 9, 2018, the SFPUC notified the Bay Area wholesale customers through the Bay Area Water Supply & Conservation Agency (BAWSCA) in writing that this Commission would be considering changes to the WSIP at a public hearing on April 10, 2018; and

WHEREAS, The SFPUC completed a comprehensive assessment of all remaining WSIP delivery efforts to (1) validate all schedule and cost forecasts at completion; (2) make an accurate determination of the overall cost and schedule status of the program; and (3) and put in place specific measures to further control costs and schedules as the program continues to ramp down, and the outcome of this assessment is the proposed program revisions documented in the Notice of Public Hearing dated March 9, 2018; and

WHEREAS, The proposed revisions to the WSIP set forth in the Notice of Public Hearing (referred to herein as the "March 2018 Proposed Revised WSIP") contain scope changes to seven projects (Regional Groundwater Storage and Recovery, Calaveras Dam Replacement, Watershed and Environmental Improvement Program, WSIP Closeout - San Joaquin Region, WSIP Closeout – Sunol Valley Region, WSIP Closeout – Bay Division Region, WSIP Closeout – Peninsula Region); and

WHEREAS, The overall program schedule for the March 2018 Proposed Revised WSIP is proposed to be extended from December 20, 2019 (last approved by the Commission on April 26, 2016) to December 30, 2021; and

WHEREAS, The cost for the regional projects in the March 2018 Proposed Revised WSIP is proposed to be increased by $42 million from $4,373,800,000 to $4,415,800,000, with an overall forecast program decrease from $4,845.5M to $4,787.8M, or a forecast decrease of $57.7M, due to a reduced forecast of finance costs; and

WHEREAS, During the 30-day public review period, the WSIP Director met with representatives of the BAWSCA to discuss the March 2018 Proposed Revised WSIP; now, therefore, be it

RESOLVED, That this Commission finds that since the PEIR was finalized, there have been no substantial project changes and no substantial changes in project circumstances that would require major revisions to the PEIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts,

and there is no new information of substantial importance that would change the conclusions set forth in the PEIR; and be it

FURTHER RESOLVED, That this Commission hereby approves the revised scopes of the March 2018 Proposed Revised WSIP, together with the schedule and budget changes contained therein, all of which are documented in the Notice of Public Hearing dated March 9, 2018 attached hereto and incorporated herein by reference; and be it

FURTHER RESOLVED, That this Commission hereby directs staff to send a Notice of Change Report to State Water Resources Control Board and the Alfred E. Alquist Seismic Safety Commission in compliance with Water Code Section 73502(d)(3); and be it

FURTHER RESOLVED, That this Commission hereby directs staff to implement the seven (7) recommendations set forth in the letter dated April 3, 2018 from the Bay Area Water Supply and Conservation Agency, attached hereto, provided that the deadline for implementing Recommendation No. 5 shall be June 1, 2018, rather than May 1, 2018.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

BAWSCA
Bay Area Water Supply & Conservation Agency

April 3, 2018

The Honorable Ike Kwon, President
San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102

SUBJECT: Comments on the Proposed March 2018 Revised Water System Improvement Program (WSIP)

Dear President Kwon:

On March 9, 2018, the San Francisco Public Utilities Commission (SFPUC) notified the Bay Area Water Supply and Conservation Agency (BAWSCA) that it would be considering proposed changes to the Water System Improvement Program (WSIP) in accordance with the Wholesale Regional Water System Security and Reliability Act (AB 1823, Water Code Section 73500 *et seq.*) BAWSCA performed a thorough review of Notice of Public Hearing and associated documents and met several times with SFPUC staff.

Overall, BAWSCA has two key concerns with the proposed changes:

- The proposed scope change for the Regional Groundwater Storage and Recovery Project (RGSR) would reduce the drought year yield of the project. In adopting the proposed scope change, the Commission would be taking action that may reduce the SFPUC's ability to meet its contractual obligations regarding water supply Level of Service.
- The WSIP "Finance" cost category forecast has been reduced from $471.7M to $372.0M. BAWSCA appreciates the SFPUC's prudent and cost-effective WSIP financing efforts, however, it is important that it is clear to the public and the water customers that this forecast reduction is not a result of project cost savings. Rather, it is due to the release of debt service reserve funds resulting from changes in the SFPUC's bond indenture requirements. The SFPUC's March 9, 2018 proposed WSIP revisions documentation should have made this point more clearly to avoid confusion.

BAWSCA presents the following eleven findings and seven recommendations for consideration by the Commission in the categories of proposed scope, schedule, and budget changes based on its review of the referenced documents.

Scope: What is the impact of the proposed revisions on the individual project scopes as compared to the currently adopted scopes? Do the projects, as proposed, continue to meet the WSIP Level of Service (LOS) goals?

Finding 1. The proposed scope changes for RGSR delete the installation of two permanent production wells and instead propose installation of up to three test wells.

Test well production estimates will be prepared under Phase 2. Decisions, if any, to install additional permanent wells would not be made under this WSIP project. The proposed RGSR scope changes are likely to result in a reduced project yield, thereby directly impacting the ability to meet the WSIP LOS goals.

Finding 2: Scope changes are proposed for the Calaveras Dam Replacement Project and its Alameda Creek Diversion Dam subproject to address issues that have arisen during construction since March 2016. The proposed scope changes do not impact the ability of the project to meet the WSIP LOS goals and objectives. Although project construction has advanced significantly for both efforts during calendar year 2017, risks remain that could negatively impact ongoing construction and call for scope changes if realized.

Finding 3: No scope changes are proposed for the Alameda Creek Recapture Project (ACRP). However, the project Environmental Impact Report (EIR) is currently being revised in response to questions and issues raised during the review of the first Draft EIR. Project scope changes may be necessary based on possible future CEQA related recommendations, resulting in impacts to not only the project scope, but also the schedule, budget, and the project's ability to meet the WSIP LOS goals.

***Scope Recommendations:* BAWSCA recommends that the Commission direct staff to:**

1. **Provide a written report to the Commission in January 2019 on the RGSR that includes the following:**
   a. **An updated yield estimate for the RGSR, informed by the extended pump tests for Phase 1 wells and Phase 2 test well production estimates; and**
   b. **Schedule, cost estimates, and funding considerations for how to modify the RGSR's scope to make one or more of the test wells into permanent wells as part of WSIP completion, if it is deemed appropriate to do so based on updated yield estimates.**
   c. **An update on the RGSR's ability under the current scope AND any proposed scope modification as a result of the upcoming project activities.**
2. **Following the completion of the ACRP's revised environmental effort, provide a written report to the Commission on the need, if any, to revise the project's scope and the possible impact of scope changes on the project's ability to meet the WSIP LOS goals.**

Schedule: Have the completion dates for individual WSIP projects been extended and if so, why? Is there an increased risk to public health and safety for any schedule extension?

Finding 4: The SFPUC is proposing schedule extensions for six individual WSIP projects currently in construction or preconstruction phases and four other support projects. The completion for the Program Management project is also extended to match the proposed completion of the overall WSIP in December 2021.

Extensions are proposed for two projects critical to fully meeting the WSIP water supply LOS goal: ACRP (28-month extension) and RGSR (29-month extension). The proposed delays in these drought year supply projects extend the time over which water customers are exposed to increased level of dry-year and/or emergency water supply shortages.

Finding 5: The schedule for the RGSR is proposed to be extended by 29 months. In calendar year 2018 under the RGSR scope, an extended pump test will be conducted and up to three test wells will be drilled. That work will enable SFPUC to prepare production estimates for the test wells by December 2018. The proposed schedule does not include any further well construction activity on the project in response to the results from the extended pump test and installation of up to three test wells.

Finding 6: The schedule for the ACRP is proposed to be extended by 28 months to accommodate ongoing revisions to the project's environmental documentation. Project revisions may be necessary based on the outcome of the revised environmental work. The proposed schedule extension for the ACRP may not be sufficient to accommodate any project modifications if warranted by the revised environmental analysis, resulting in an increased uncertainly associated with the adequacy of the ACRP schedule as proposed.

Finding 7: The proposed extensions for the three regional closeout projects and the Seismic Upgrade of BDPL Nos. 3 & 4 (not including support projects) is acknowledged to have minimal impact on LOS as remaining work on these projects is associated with facilities that are already in service or can be quickly placed in service if the need arises.

***Schedule Recommendations:* BAWSCA recommends that the Commission direct staff to:**

3. **Include in the required AB 1823 documentation justification for the extended schedule for RGSR, given that the revised scope is smaller than the 2016 scope and deletes the installation of two permanent wells.**

Budget: What is the impact of the proposed revisions on the individual project budgets and overall WSIP budget as compared to the currently adopted budget?

Finding 8: The SFPUC is proposing a $42M increase in the Regional WSIP budget. To fund this proposed cost increase, savings are available from expected underruns from various Regional WSIP projects and additional WSIP allocations in the Water Enterprise 10-Year CIP ($42M).

Finding 9: The "Finance" cost category forecast has been reduced from $471.7M to $372.0M. This forecast reduction is not a result of cost savings, but rather, is due to the release of debt service reserve funds resulting from changes in the SFPUC's bond indenture requirements.

Finding 10: As part of the March 2016 WSIP revisions, SFPUC committed to providing an accounting of the actual financing costs for WSIP prior to any future budget

adjustments for WSIP. Such an accounting is not provided in this 2018 Notice of Change or any supporting documents.

Finding 11: The Director's Reserve fund has been replenished and is sufficient to cover the remaining risks at the 80% confidence level.

Budget Recommendations: **BAWSCA recommends that the Commission direct staff to:**

4. **Provide clarification in the AB 1823 materials and documents to BAWSCA that the forecast reduction in the "Finance" cost category is not a result of project cost savings, but rather is due to the release of debt service reserve funds resulting from changes in the SFPUC's bond indenture requirements.**
5. **By May 1, provide to the Commission and BAWSCA a written report documenting the assumptions associated with the WSIP "Finance" cost category, the actual financing costs for WSIP, and the resulting impact on the "Finance" cost category moving forward.**
6. **Include in the required BA 1823 documentation a detailed breakdown of the increased budget request for both the RGSR and ACRP.**
7. **Provide the following additional information in the regular WSIP Quarterly Reports: use of the contingency and documentation of sufficiency of the contingency to deliver WSIP within budget; and documentation regarding work force reduction and other efficient practices and procedures to control soft costs as program is completed.**

BAWSCA urges the Commission to consider BAWSCA's nine recommendations and, in particular, to revisit the scope changes proposed for the RGSR. The proposed changes to the RGSR, in effect, mean that the SFPUC is walking away from a potential dry-year water supply opportunity.

The efforts of Mr. Wade and his staff in meeting with BAWSCA representatives to discuss the proposed changes and providing supporting documentation for the recommendations under consideration are much appreciated. BAWSCA continues to support the SFPUC's efforts to implement the WSIP on time, on budget, and within scope for the protection of the 2.6 million residents and associated businesses that rely on the San Francisco Regional Water System for a reliable supply of high quality water.

Sincerely,

Nicole Sandkulla
Chief Executive Officer/General Manager

cc: Harlan L. Kelly, Jr., SFPUC General Manager
Kathy How, SFPUC AGM – Infrastructure
Steve Ritchie, SFPUC AGM – Water Enterprise
Eric Sandler, SFPUC CFO
Dan Wade, SFPUC Program Director, WSIP
BAWSCA Board of Directors
BAWSCA Water Management Representatives
The Honorable Assembly Member Al Muratsuchi, Chair, California State Assembly - Joint Legislative Audit Committee
The Honorable Senator Richard D. Roth, Vice-Chair, California State Senate - Joint Legislative Audit Committee
Stefan Cajina, SWRCB-Division of Drinking Water
Bruce Burton, SWRCB-Division of Drinking Water
Dick McCarthy, California Seismic Safety Commission
Fred Turner, California Seismic Safety Commission
Allison Schutte, Hanson Bridgett

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

NOTICE OF PUBLIC HEARING
(Posted on Friday, March 9, 2018)

NOTICE OF PUBLIC HEARING FOR CONSIDERATION OF REVISIONS TO THE SAN FRANCISCO PUBLIC UTILITIES COMMISSION (SFPUC) WATER SYSTEM IMPROVEMENT PROGRAM (WSIP)

Tuesday, April 10, 2018
1:30 P.M.
City Hall, Room 400
1 Dr. Carlton B. Goodlett Place
San Francisco, California

SUBJECT OF PUBLIC MEETING

Notice is hereby given that the San Francisco Public Utilities Commission (SFPUC) will hold a public hearing as part of its regularly scheduled meeting on Tuesday, April 10, 2018 for the purpose of considering proposed revisions to the Water System Improvement Program (WSIP), referred to as the "March 2018 Proposed Revised WSIP."

COMMENTS ON PROPOSED REVISIONS

All interested parties are invited to attend the public hearing and provide public comment on the proposed revisions. Individuals who are unable to attend the public hearing may submit to the SFPUC, by the time the hearing begins on April 10, 2018, written comments regarding the subject of the hearing. These comments will be brought to the attention of the Commission and will become part of the official public record. Written comments should be sent to:

Donna Hood, Commission Secretary
San Francisco Public Utilities Commission
525 Golden Gate Avenue (13th Floor)
San Francisco, CA 94102
Email: Commission@sfwater.org

BACKGROUND

The Wholesale Regional Water System Security and Reliability Act (Water Code § 73500 et seq.) requires that the SFPUC provide notification of certain program changes. Specifically, the SFPUC is required to provide an advance 30-day written notice if the SFPUC is to consider the adoption of program changes that would delay WSIP projects and/or result in the construction of different projects.

Mark Farrell
Ike Kwon
Vince Courtney
Ann Moller Caen
Francesca Vietor
Anson Moran
Harlan L. Kelly, Jr.

The SFPUC last adopted program-wide revisions to the WSIP, including revised program scope, schedule and budget, on April 26, 2016. Subsequently, the SFPUC adopted revisions to the schedule, but not the budget or scope, of three (3) WSIP projects on February 14, 2017. None of the February 14, 2017 adopted revisions affected the approved WSIP completion date of December 20, 2019, which is the current WSIP completion date.

During the first few months of 2018, the SFPUC undertook a comprehensive assessment of all remaining WSIP delivery efforts to completion of the program. The objectives of this wide-ranging internal review of all active projects are to (1) validate all project schedules and cost forecasts at completion; (2) make an accurate determination of the overall cost and schedule status of the program; and (3) put in place specific measures to further control costs and schedules as the program ramps down. The final outcome of this detailed review is the proposed project revisions documented in the various attachments to this notice.

CHANGE SUMMARY

The most significant proposed changes to the WSIP are (1) the extension of the overall program completion date from December 20, 2019 to December 30, 2021, and (2) the increase of the forecast cost of regional projects from $4,373.8M to $4,415.8M ($42M increase, or 1.0%). However, the program finance cost is forecast to be less than previously reported (decrease from $471.7M to $372.0M). Therefore, the overall program cost forecast is a decrease from $4,845.5M to $4,787.8M, or a decrease of $57.7M (1.2%).

Of the fifty-two (52) existing regional projects in the WSIP, thirty-nine (39) have been completed, three (3) have no schedule variance, and ten (10) have been extended.

The project with the longest forecast schedule extension is the Bioregional Habitat Restoration (BHR) Project at forty (40) months. The last project forecast to complete in the March 2018 Proposed Revised WSIP is the Regional Groundwater Storage and Recovery (RGWSR) project.

The budget revisions proposed for adoption involve a mix of cost increases and cost savings at the project level. The project with the largest cost increase is the RGWSR. The projected cost variance of the RGWSR is $25.2M from the 2016 approved project budget.

The SFPUC is undertaking a number of steps to reduce and control the remaining costs of the WSIP. For example, we have significantly reduced the regional management structure of the program and we have reduced significantly the City and Consultant resources at the program level. Furthermore, we have substantially transitioned much of the work from Consultants to City staff and will continue to do so where practicable.

No regional projects were deleted from the WSIP since program-wide revisions were last approved in 2016 and there are no project name changes, although there are several sub-projects with name changes in the WSIP Closeout Projects. Most project scopes remain the same as those previously approved by the SFPUC. Seven (7) projects have scope modifications that are considered significant enough to be documented separately.

SUPPORTING DOCUMENTS

This notice and the attached documents focus on the WSIP regional projects (all local projects are excluded). The eleven (11) following attachments are included with this notice to explain the proposed changes to the schedule, scope and budget of various WSIP projects to be considered for adoption by the Commission at the public hearing on April 10, 2018.

Attachment 1: March 2018 Revised WSIP - General Project Changes and Additions
Attachment 2: March 2018 Revised WSIP - Project Status
Attachment 3: March 2018 Revised WSIP - Summary of Proposed Scope Changes
Attachment 4: March 2018 Revised WSIP - Summary of Proposed Schedule Changes
Attachment 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes
Attachment 6: March 2018 Revised WSIP - Explanation of Proposed Schedule Changes
Attachment 7: March 2018 Revised WSIP - Explanation of Proposed Budget Changes
Attachment 8: March 2018 Revised WSIP - Project Descriptions
Attachment 9: March 2018 Revised WSIP - Proposed Project-Level Schedules
Attachment 10: March 2018 Revised WSIP - Proposed Phase-Level Schedules
Attachment 11: March 2018 Revised WSIP - Proposed Project-Level Cost Summary

ATTACHMENT 1:

March 2018 Proposed Revised WSIP - General Project Changes and Additions

HETCH HETCHY WATER SYSTEM IMPROVEMENT PROGRAM

Overall, the March 2018 Proposed Revised WSIP is very similar to the March 2016 Revised WSIP. Changes for the March 2018 Proposed Revised WSIP include seven (7) existing projects with scope refinements.

Project Name Changes

There are no proposed project name changes; however, there are several proposed name changes to sub-projects of the WSIP Closeout Projects as described in Attachment 3.

Projects Eliminated

There are no proposed projects to be eliminated.

Projects Modified

Seven (7) projects have proposed scope changes as follows:

- Project CUW30103: Regional Groundwater Storage and Recovery
- Project CUW37401: Calaveras Dam Replacement
- Project CUW39401: Watershed Environmental Improvement Program
- Project CUWSJI: WSIP Closeout - San Joaquin Region
- Project CUWSVI: WSIP Closeout – Sunol Valley Region
- Project CUWBDP: WSIP Closeout – Bay Division Region
- Project CUWPWI: WSIP Closeout – Peninsula Region

Projects Added

There are no proposed projects to be added; however, there are several proposed additional sub-projects to the WSIP Closeout Projects as described in Attachment 3.

ATTACHMENT 2: March 2018 Revised WSIP – Project Status

Projects Not Initiated		
Project No.	**Project Name**	**Proposed Project Start Date**
	None	
Projects in Pre-Construction		
Project No.	**Project Name**	**Proposed Notice-to-Proceed (NTP) Date**
CUWSVI0101	WSIP Closeout - Sunol Valley [1]	04/10/17
CUWPWI0101	WSIP Closeout - Peninsula [1]	07/24/18
CUW39401	Watershed and Environmental Improvement Program [4], [5]	05/06/19
CUW35201	Alameda Creek Recapture Project	08/30/19
Projects in Construction		
Project No.	**Project Name**	**Proposed Construction Phase Completion Date**
CUW36302	System Security Upgrades [1]	03/31/18
CUW35302	Seismic Upgrade of BDPL Nos. 3 & 4	04/30/18
CUW37401	Calaveras Dam Replacement	06/19/19
CUWSJI0101	WSIP Closeout - San Joaquin	08/30/19
CUWBDP0101	WSIP Closeout - Bay Division [1]	11/19/19
CUW30103	Regional Groundwater Storage and Recovery [1]	06/30/21
CUW38802	Bioregional Habitat Restoration [1, 2]	05/31/18
CUW38804	Long Term Mitigation Endowment [3]	N/A
Projects in Closeout		
Project No.	**Project Name**	**Proposed Project Completion Date**
CUW35901	New Irvington Tunnel	03/31/18
Projects Completed		
Project No.	**Project Name**	**Actual Project Completion Date**
CUW36101	Pulgas Balancing - Inlet/Outlet Work	05/11/06
CUW37402	Calaveras Reservoir Upgrades	07/28/06
CUW36601	HTWTP Short-Term Improvements (Demo Filters)	11/14/06
CUW35701	Adit Leak Repair - Crystal Springs/Calaveras	07/31/08
CUW36901	Capuchino Valve Lot Improvements	08/19/08
CUW39301	BDPL No. 4 Condition Assessment PCCP Sections	02/06/09
CUW37001	Pipeline Repair & Readiness Improvements	04/16/09
CUW36501	Cross Connection Controls	04/30/09

ATTACHMENT 2: March 2018 Revised WSIP – Project Status

Projects Completed		
Project No.	**Project Name**	**Actual Project Completion Date**
CUW35301	BDPL Nos. 3 & 4 Crossover/Isolation Valves	07/31/09
CUW36803	BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2	05/28/10
CUW36102	Pulgas Balancing - Discharge Channel Modifications	07/28/10
CUW36603	HTWTP Short-Term Improvements - Coagulation & Flocculation/ Remaining Filters	07/30/10
CUW35801	Sunset Reservoir - North Basin	09/10/10
CUW35501	Standby Power Facilities - Various Locations	12/22/10
CUW38601	San Antonio Pump Station Upgrade	06/29/12
CUW35601	New Crystal Springs Bypass Tunnel	08/17/12
CUW37901	San Andreas Pipeline No. 3 Installation	08/30/12
CUW35401	Lower Crystal Springs Dam Improvements	12/28/12
CUW36103	Pulgas Balancing - Structural Rehabilitation and Roof Replacement	12/28/12
CUW36105	Pulgas Balancing - Modifications of the Existing Dechloramination Facility	03/20/13
CUW37201	University Mound Reservoir - North Basin	03/29/13
CUW39101	Baden and San Pedro Valve Lots Improvements	03/29/13
CUW36301	SCADA System - Phase II	05/28/13
CUW35902	Alameda Siphon #4	06/28/13
CUW36401	Lawrence Livermore Water Quality Improvement	07/31/13
CUW38901	SFPUC/EBMUD Intertie	03/20/14
CUW38001	BDPL Nos. 3 & 4 Crossovers	06/30/14
CUW37302	Rehabilitation of Existing San Joaquin Pipelines	10/31/14
CUW38101	SVWTP Expansion & Treated Water Reservoir	10/31/14
CUW37801	Crystal Springs Pipeline No. 2 Replacement	12/31/14
CUW38401	Tesla Treatment Facility	01/30/15
CUW37101	Crystal Springs/San Andreas Transmission Upgrade	06/30/15
CUW36802	BDPL Reliability Upgrade - Pipeline	03/31/16
CUW37301	San Joaquin Pipeline System	03/31/16
CUW37403	San Antonio Backup Pipeline	06/30/16
CUW38803	Vegetation Restoration of WSIP Construction Sites	06/30/16
CUW36702	Peninsula Pipelines Seismic Upgrade	07/06/16
CUW36801	BDPL Reliability Upgrade / Tunnel	08/30/16
CUW36701	HTWTP Long-Term Improvements	12/30/16

(1) Project currently active in multiple phases. Project classified according to the phase in which a majority of the work is taking place.

(2) The Bioregional Habitat Restoration Project includes 9 construction contracts.

(3) The Long Term Mitigation Endowment (LTME) fund is to provide a secure source of funds for perpetual monitoring and maintenance of the Bioregional Habitat Restoration sites constructed in the SFPUC watershed. The LTME fund does not involve construction activities. The LTME is scheduled to be completed on 09/30/21.

(4) The Watershed and Environmental Improvement Program (WEIP) is a program-wide effort to permanently protect watersheds and other lands through perpetual conservation easements and/or fee title purchase of property from willing landowners, and includes funding for construction of educational/outreach facilities. The program is scheduled to be completed on 01/08/21.

(5) A portion of the WEIP funding will be allocated for construction of educational/outreach facilities. However, construction will be managed outside of the WSIP.

ATTACHMENT 2: March 2018 Revised WSIP – Project Status

This page intentionally left blank.

ATTACHMENT 3:

March 2018 Proposed Revised WSIP - Summary of Proposed Scope Changes & Additions

HETCH HETCHY WATER SYSTEM IMPROVEMENT PROGRAM

The scope of all but seven (7) projects remains the same as those last approved by the San Francisco Public Utilities Commission (SFPUC) on April 26, 2016 (referred to as "March 2016 Revised WSIP – Summary of Proposed Scope Changes and Additions"). Scope changes are proposed for the following projects: Regional Groundwater Storage and Recovery, Calaveras Dam Replacement, Watershed and Environmental Improvement Program, WSIP Closeout - San Joaquin Region, WSIP Closeout – Sunol Valley Region, WSIP Closeout – Bay Division Region, and WSIP Closeout – Peninsula Region. The scope changes and additions are described below.

CUW30103 Regional Groundwater Storage and Recovery

The goal of the Regional Groundwater Storage and Recovery (RGSR) Project is to provide up to 7.2 million gallons per day (mgd) of dry year water supply over 7.5 years. The original project design included installation of up to sixteen (16) new deep groundwater wells to achieve the 7.2 mgd of water supply. The design goal of pumping 7.2 mgd over 7.5 years is based on modeling results and would need to be confirmed based on operating and monitoring data.

The original scope of the RGSR project was planned to be constructed in two phases. The original scope of Phase 1 included construction of thirteen (13) new deep groundwater wells, and the original scope of Phase 2 included construction of 2 to 3 additional wells, depending upon well yield.

Based on the modeling data inputs and results, it is projected that the thirteen (13) new wells constructed in Phase 1 would produce approximately 6.2 mgd of dry year supply over 7.5 years. Operating the RGSR Project during times of drought will provide data and insights into how much water can be reasonably expected to be produced by the project and if additional well stations are needed to reach the desired drought period pumping capacity.

In addition to the need for collecting operational data to determine the pumping capacity of the thirteen (13) new wells, the Daly City Recycled Water Expansion Project proposes to serve recycled water to existing irrigated properties (golf courses and cemeteries) in the Colma area for irrigation use. Replacing groundwater with recycled water for irrigation use will decrease or eliminate the cemeteries' use of the aquifer, creating more in lieu storage in the aquifer for water supply use. The SFPUC will identify potential benefits to its ability to utilize the aquifer resulting from the Daly City Recycled Water Expansion Project during project planning and design, as well as monitor operation of the project.

Given the considerations noted above, the SFPUC proposes to modify the scope of Phase 2 to install up to three (3) test wells (Ludeman North, Ludeman South, and Centennial Trail), complete the South San Francisco Main well and pipeline, and complete other Phase 1 scope items, including chemical system monitoring, sampling, and storage at various sites. The test wells will allow for determination as to whether the identified sites could be viable production wells, and will provide valuable information related to water quality and potential pumping

capacities that can be used for future planning and decision making. The test wells would not be converted to production wells at this time.

Proceeding with these proposed changes to Phase 2 will allow all thirteen (13) new Phase 1 RGSR wells to be operated to gain experience and insight into the pumping capacities of each individual well in addition to how the wells work in combination with each other and existing municipal and irrigation wells. Staff will gain valuable experience regarding the relationship of RGSR drought year pumping to the management of the groundwater basin. Operational experience will allow refinement of the modelled dry year water supply yield of the RGSR project.

The proposed changes to RGSR Phase 2 also allows for the collection of test well data at up to three (3) locations for use in future planning if the operational experience with the thirteen (13) wells shows the need for more pumping capacity. This option also allows for the basin effects of the Daly City Recycled Water Expansion Project to be identified and may provide greater flexibility in the future to utilize the basin for water supply.

CUW37401 **Calaveras Dam Replacement Project**

The Calaveras Dam Replacement Project (CDRP) is provided in response to the Seismic Reliability, Delivery Reliability, and Water Supply LOS goals. The dam was originally designed to store up to 96,850 acre-feet of water in the Calaveras Reservoir. Water from the reservoir is treated at the SVWTP before delivery to customers. The California Department of Water Resources Division of Safety of Dams (DSOD) has, however, mandated that the maximum reservoir level be significantly reduced because the dam is located near the active Calaveras Fault and has been determined to be seismically vulnerable. The storage volume associated with the reduced level is approximately 38,100 acre-feet (39% of original capacity). The replacement dam will restore the original reservoir capacity, and it is designed such that it can be raised to accommodate a potential reservoir enlargement in the future.

The CDRP is currently in construction and as of December 31, 2017, construction was approximately 85% complete.

After approval of the March 2016 Revised WSIP, severe and unusual precipitation events occurred between October 2016 and March 2017 that have impacted the project construction schedule. The severe weather triggered landslides on Calaveras Road, which made the road impassable and required that it be shut down for several months. This portion of Calaveras Road is the major access to the construction site and is needed for the import of sands and gravels used to construct the filter and drain zones within the dam embankment as well as the downstream blanket filter and drain zones. In addition, the West Haul Road along the rim of the reservoir was flooded. This impacted the ability to import clay materials used to build the core of the dam from the clay borrow source on the south side of the reservoir. Scope refinements include repairs to the landslide portion of Calaveras Road and restoration of the West Haul Road.

The Fish Passage Facilities Project at Alameda Creek Division Dam (ACDD) is a subproject to the CDRP. The ACDD is currently in construction and as of December 31, 2017, construction was approximately 75% complete.

There have been several differing site conditions identified on the ACDD project and they are in various phases of completion and negotiation. The largest differing site condition relates to a deep seated landslide in the hillside adjacent to the project site that resulted in an increase in contract scope and costs.

The project geotechnical data report (GDR) indicates multiple shallow landslide deposits and debris-flows along the right abutment and immediately upstream of the existing dam structure. Additionally, it is noted that these geologic features are underlain by large, deep-seated landslides. The GDR provides multiple cross section profiles, interpreting sub-surface geologic conditions that exist. Five (5) known landslides were mapped in the GDR, all of which occur upslope of the existing dam structure. However, two (2) of these known landslides on the right bank have the potential to affect the intake/diversion structure which extends upstream of the dam. The contract drawings include a landslide stabilization wall along a portion of the right abutment to shore these known hazards.

During the installation of a contractor-designed soil nail wall used for excavation support downslope of the landslide stabilization wall, movement was noted in two (2) locations along a previously installed section of the soil nail wall. One of the movement locations is downstream of the existing dam structure, and the other is directly adjacent to the crest of the dam. Four (4) inclinometers were installed along the right abutment, and verification of movement was recorded. Additionally, the contractor's geotechnical consultant mapped observed geologic contacts during the excavation of the soil nail wall. These newly mapped geologic contacts show a slip plane that extends further downslope than the contract landslide stabilization wall, extending into the soil nail wall.

To address the potential landslide hazard and further protect the fish passage structure, an extension to the contract landslide stabilization wall will be needed, and an additional reinforced concrete panel wall with tie-backs will be needed to reinforce a section of the soil nail wall.

CUW39401 **Watershed and Environmental Improvement Program**

The Watershed and Environmental Improvement Program (WEIP) includes the comprehensive identification and protection of critical watershed lands and ecosystem restoration needs within the hydrologic boundaries of the Alameda Creek, Peninsula (San Mateo and Pilarcitos Creeks) and Tuolumne River watersheds, and prioritizes the protection and/or restoration of these lands. Projects under this program will protect source water quality, native species and their habitat; and identify critical watershed and other lands for protection by purchasing fee title and/or perpetual conservation easements.

Consistent with the SFPUC Water Enterprise Environmental Stewardship Policy, the proposed scope refinement is to allocate a portion of the funding under the WEIP to support projects that enhance public awareness and provide education opportunities related to water quality, water supply, conservation, and environmental stewardship issues. Accordingly, construction of the Southern Skyline Boulevard Ridge Trail Extension will be funded using the remaining WEIP funds.

WSIP Closeout Projects

The WSIP Closeout Projects were approved as part of the March 2016 Revised WSIP for each of four (4) regions (San Joaquin, Sunol, Bay Division, and Peninsula) in response to miscellaneous identified needs and/or improvements that are needed to supplement the scope of WSIP regional projects to ensure that WSIP Level of Service (LOS) goals are fully achieved. The scopes of work for the individual sub-projects that are proposed to be refined and/or added within each region are described below.

CUWSJI WSIP Closeout - San Joaquin Region

- **Supplemental Solar Panel Installations** – This sub-project was originally scoped to provide additional solar panels to cover power shortfalls observed under certain operational conditions. Since the March 2016 Revised WSIP was approved, the Hetch Hetchy Water and Power (HHWP) Division installed new microwave towers at Oakdale, Knight Ferry Throttling Station, and San Joaquin Junction No. 4 in the summer of 2016. These towers have cast additional shadows on the existing solar panels, which further reduced the power generated from these arrays. The proposed scope refinements are to re-evaluate the existing photo-voltaic systems at these three (3) locations before proceeding with modifications to the existing arrays. The results could potentially require an increase in power output at each of the sites.
- **Tesla Portal Facility Interior Floor Slab** – No proposed scope changes.

CUWSVI WSIP Closeout - Sunol Valley Region

- **AS4 Carrier Water System Modifications** – No proposed scope changes.
- **Erosion Repair at Pond F3 East** – The CUW37401 San Antonio Backup Pipeline Project included drainage improvements on the east side bank of Quarry Pond F3 East. After completion of construction, it was noted that the rock riprap below a 12-inch drainage pipe had eroded away and undermined the downstream section of the pipe. This sub-project will repair the erosion. Scope refinements include use of new rockfill rather than grouted riprap for erosion repairs.
- **Sunol Valley Water Treatment Plant Basin 5 Optimization** – The new name of this sub-project is **Sunol Valley Water Treatment Plant Polymer Feed Facility**. The Sunol Valley Water Treatment Plant Expansion and Treated Water Reservoir Project was completed in 2014 and included addition of a new, fifth flocculation sedimentation basin (Basin 5) to the existing four (4) basins at the plant. During operations after completion, it was noted that Basin 5 was not able to achieve the optimal water production goal of 40 million gallons per day consistently. This sub-project was originally scoped to change the flocculation aid composition for Basin 5. The proposed scope refinement is to build a polymer feed facility that will serve not only Basin 5, but also the four (4) older basins (Basins 1 to 4), to optimize plant water production, and allow this facility to better meet its water quality and delivery reliability LOS goals. The portion of the facility cost attributed to Basin 5 will be funded under the WSIP; the portion of the facility cost

attributed to Basins 1 to 4 will be funded under the Water 10-Year Capital Improvement Program (CIP).

- **Miscellaneous Work at AWP, IVP and SABPL (new sub-project addition in 2018)** – The CUW 35901 New Irvington Tunnel (NIT) was completed in 2017, and the CUW 37403 San Antonio Backup Pipeline (SABPL) was completed in 2016. This subproject will include the following work:
    - Installation of new security doors at Alameda West Portal (AWP) and Irvington Portal (IVP)
    - Installation of new couplings between the valve stem and actuator for the cathodic protection at AWP and IVP
    - Refurbishment of uninterruptible power supply (UPS) and installation of new enclosures for the UPS at AWP and IVP
    - Installation of discharge pipe lateral supports, safety railings, ladder stiffening supports, and sunshades for electrical equipment on SABPL

- **NIT Water Quality Equipment Relocation (new sub-project addition in 2018)** – The CUW35901 New Irvington Tunnel (NIT) project installed new water quality monitoring equipment in an underground vault to monitor water quality on Irvington Portal 2 (IP2). After the equipment was installed, problems were noted that related to safe access and water drainage. This sub-project is to relocate the water quality monitoring equipment to Building B10 for Irvington Portal 1 (IP1), and install a new pump to pump water from Irvington Tunnel 2 (IT2) to Irvington Tunnel 1 (IT1) to provide IT2 water for the water quality monitoring.

- **San Antonio Backup Pipeline Carrier Water System Modifications (new sub-project addition in 2018)** – The CUW37403 San Antonio Back Pipeline was completed in 2016. Since that time, changes in operations have resulted in an apparent drop in water pressure in the carrier water system for two (2) chemicals including Calcium Thiosulfate for dechlorination and Hydrofluorosilicic acid for pH adjustment. The purpose of this sub-project is to modify the carrier water and chemical injection system to ensure the chemicals will be injected properly.

CUWBDP WSIP Closeout - Bay Division Region

- **Caltrans V-Ditch Across SFPUC Right-of-Way -** The new name of this sub-project is **Site Drainage and Pipe Coating Repairs**. The original scope of this sub-project was to coordinate with Caltrans on an agreement and design for a drainage system across SFPUC ROW between the Caltrans storm-water pipeline and an open field associated with the construction of the CUW35302 Seismic Upgrades of BDPL Nos. 3 & 4. However, coordination efforts with Caltrans were unsuccessful, so this sub-project now will focus on providing a drainage system solely within SFPUC Right-of-Way. In addition, this sub-project will include repairs to coatings on the pipe and pipe supports of the Bay Division Pipeline (BDPL) No. 3 to address issues that developed inside the articulated vault after construction was completed.

- **Bay Tunnel Warranty Inspection and BDPL 1 & 2 EIR Mitigation** – The original scope of this sub-project included warranty inspection of the new Bay Tunnel and mitigation

required by the Bay Tunnel Environmental Impact Report (EIR) to decommission the existing Bay Division Pipelines (BDPLs) Nos. 1 and 2 by punching holes in the pipe to prevent buoyancy during extreme future high tides and storm events and covering those holes with wire mesh to prevent entrapment of wildlife, and installation of historical panels for public education. Since that time, the SFPUC has established a project under the Water 10-Year Capital Improvement Program (CIP) to further study mitigation alternatives and pursue removal of the BDPL Nos. 1 and 2 within the Don Edwards San Francisco Bay National Wildlife Refuge. Accordingly, the proposed scope refinement for this sub-project is to eliminate the physical work of punching holes in the existing pipelines, and utilize the funding to advance the planning for the decommissioning study until such time that the funding for the new CIP project becomes available in FY2020-21.

- **Hydro-seeding at Bay Tunnel Project** – No proposed scope changes.

- **Newark Valve Lot Additional Gravel Placement** – No proposed scope changes.

- **Corrosion Protection for Valve E5OU** – No proposed scope changes.

- **Ventilation and Sump Pump Systems Installation (new sub-project in 2018)** - This sub-project provides improvements for inspection, monitoring and maintenance associated with the construction of the CUW35302 Seismic Upgrades of BDPL Nos. 3 and 4. The BDPL 3 pipe, slip joint, ball joints and pipe supports and seismic monitoring equipment inside the articulated vault require on-going inspection, monitoring and maintenance. The type and frequency of inspection and maintenance were not well defined during the design phase; it is now clear that a fixed ventilation system is required for the BDPL 3 vault. Furthermore, the BDPL 4 expansion joint vault also requires access for inspection and monitoring; installation of a sump pump is required to remove water from the vault prior to inspections. Accordingly, the scope of this sub-project is to install a fixed ventilation system and a sump pump system to eliminate the need for removing access hatches and installing temporary fans and sump pump prior to accessing the vaults for frequent inspection and maintenance needs.

CUWPNI WSIP Closeout - Peninsula Region

- **Lower Crystal Springs Dam (LCSD) Stilling Basin Modifications & Dissipation Structure Riprap** - This sub-project was created in response to concerns that fish may be "trapped" in the Lower Crystal Springs Dam (LCSD) Stilling Basin. The following scope refinements are proposed to the original scope of this project:
    - Installation of a new 24-inch HDPE pipeline through an existing abandoned 60-inch pipe directed to the stilling basin
    - Coordination and facilitation of access for a piezometer drilling contractor during periods of concurrent work in the stilling basin
    - Deletion of landscaping around the new Crystal Springs Pump Station
    - Addition of tree, shrub and grass plantings along the creek bank in accordance with the approved re-vegetation plan

- **LCSD Valve H-53 / Pipeline Investigation & Fisheries Release Valve** – This sub-project was created to utilize modification of an existing 60-inch diameter pipeline to release the required flows to the LCSD stilling basin feeding San Mateo Creek. The

construction contract for this sub-project will be combined with the LCSD Stilling Basin Modifications & Dissipation Structure Riprap contract. The following scope refinements are proposed to the original scope of this project:

- Use of a temporary pipeline "line stop" and associated shoring upstream of Valve H-53 to allow for potential installation of a permanent blind flange
- Replacement of leaking plug valves that discharge from an existing concrete vault to the stilling basin with new knife gate valves
- Installation of new flow control valves, isolation valves and appurtenances for Pool 2
- Connections to the existing 72-inch pipeline using hot taps
- Construction of a new concrete walkway from the access road to the existing stairs at the flow dissipation structure adjacent to the stilling basin

- **New Crystal Springs Bypass Tunnel Electrical Modifications** – No proposed scope changes.

- **Closeout of DSOD Permit Applications for LCSDI and CSSA Projects** - No proposed scope changes.

- **Coordination with San Mateo County Bridge Construction over LCSD** – No proposed scope changes.

- **Harry Tracy Water Treatment Plant (HTWTP) Improvements (new sub-project in 2018)** - The Harry Tracy Long-Term Improvements Project (CUW36701) was completed in 2014. Since 2014, the following needs were identified to address construction issues and improve operations at the plant to fully meet the LOS goals and objectives:
  - Automate the 12-inch gate valve at the High Rate Clarifiers' filter to waste manhole to eliminate the need for Operations to manually operate the valve on a frequent basis
  - Modify Sludge Tank No. 1 piping to eliminate cavitation in the washwater pumps
  - Upgrade the filters of three (3) emergency generators from passive filters to active filters to increase the effectiveness of the exhaust filtration and to reduce the need for Operations to constantly clean the filters
  - Repair leaks in the filter gallery channels where stainless steel angle plates were added to support several concrete walls
  - Automate flushing of the sludge transfer pumps and piping to eliminate the need for Operations to manually flush on a frequent basis
  - Replace and relocate failed variable frequency drives (VFDs) for the wash water and sludge transfer pumps to address an over-heating issue
  - Install double containment for the diesel fuel supply lines for the exterior generator to protect against leaks into the environment
  - Provide training and programming modifications to the Raw Water Pump Station switchgear equipment to enable remote SCADA control
  - Install vibration control monitoring system on the electrical panels at the Raw Water Pump Station to replace the existing obsolete system
  - Evaluate/Assess condition of failed mixers in the equalization basin

- **Crystal Springs/San Andreas Pipeline (CSSA) Erosion Repairs (new sub-project in 2018) -** The heavy winter storms of 2017 exacerbated erosion at two (2) watershed

culvert locations, OW-13 and OW-18, along the CSSA Pipeline. Erosion has caused the CSSA Pipeline to be exposed and potentially undermined. The scope of this sub-project is to repair the erosion with systems consistent with the requirements of permitting agencies such as the State Water Resources Control Board.

ATTACHMENT 4: March 2018 Revised WSIP – Summary of Proposed Schedule Changes

Project No.	Project Name	Current Approved [1]			March 2018 Proposed			Variance (in months)		
		Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion
San Joaquin Region										
36401	Lawrence Livermore Water Quality Improvement *(Completed)*	08/26/09	03/11/11	07/31/13	08/26/09	03/11/11	07/31/13	-	-	-
37301	San Joaquin Pipeline System *(Completed)*	06/02/10	03/31/16	03/31/16	06/02/10	03/31/16	03/31/16	-	-	-
37302	Rehabilitation of Existing San Joaquin Pipelines *(Completed)*	08/26/09	11/01/11	10/31/14	08/26/09	11/01/11	10/31/14	-	-	-
38401	Tesla Treatment Facility *(Completed)*	03/31/09	10/31/14	01/30/15	03/31/09	10/31/14	01/30/15	-	-	-
SJI0101	WSIP Closeout – San Joaquin [2]	07/01/16	06/20/19	12/20/19	05/09/17	08/30/19	12/20/19	10 (Late)	2 (Late)	-
Sunol Valley Region										
35201	Alameda Creek Recapture Project	07/03/17	12/31/18	06/28/19	08/30/19	05/04/21	11/03/21	26 (Late)	28 (Late)	28 (Late)
35501	Standby Power Facilities - Various Locations *(Completed)*	12/10/07	05/28/10	12/22/10	12/10/07	05/28/10	12/22/10	-	-	-
35901	New Irvington Tunnel	07/22/10	09/30/17	03/31/18	07/22/10	09/30/17	03/31/18	-	-	-
35902	Alameda Siphon #4 *(Completed)*	08/26/09	08/24/12	06/28/13	08/26/09	08/24/12	06/28/13	-	-	-
37001	Pipeline Repair & Readiness Improvements *(Completed)*	01/30/06	10/15/08	04/16/09	01/30/06	10/15/08	04/16/09	-	-	-
37401	Calaveras Dam Replacement	08/15/11	06/19/19	12/20/19	08/15/11	06/19/19	12/20/19	-	-	-
37402	Calaveras Reservoir Upgrades *(Completed)*	N/A	02/14/06	07/28/06	N/A	02/14/06	07/28/06	-	-	-
37403	San Antonio Backup Pipeline *(Completed)*	03/29/13	12/31/15	03/31/16	03/29/13	12/31/15	06/30/16	-	-	3 (Late)
38101	SVWTP Expansion & Treated Water Reservoir *(Completed)*	06/23/10	09/20/13	10/31/14	06/23/10	09/20/13	10/31/14	-	-	-

ATTACHMENT 4: March 2018 Revised WSIP – Summary of Proposed Schedule Changes

Project No.	Project Name	Current Approved [1]			March 2018 Proposed			Variance (in months)		
		Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion
38601	San Antonio Pump Station Upgrade *(Completed)*	11/02/09	09/30/11	06/29/12	11/02/09	09/30/11	06/29/12	-	-	-
SVI0101	WSIP Closeout – Sunol Valley [2]	07/01/16	06/20/19	12/20/19	04/10/17	12/31/20	06/30/21	9 (Late)	18 (Late)	18 (Late)
Bay Division Region										
35301	BDPL Nos. 3 & 4 Crossover/Isolation Valves *(Completed)*	08/21/06	03/19/08	07/31/09	08/21/06	03/19/08	07/31/09	-	-	-
35302	Seismic Upgrade of BDPL Nos. 3 & 4	09/04/12	09/30/17	03/31/18	09/04/12	04/30/18	07/30/18	-	7 (Late)	4 (Late)
36301	SCADA System - Phase II *(Completed)*	12/15/09	12/28/12	05/28/13	12/15/09	12/28/12	05/28/13	-	-	-
36801	BDPL Reliability Upgrade – Tunnel *(Completed)*	04/01/10	05/30/16	08/30/16	04/01/10	05/30/16	08/30/16	-	-	-
36802	BDPL Reliability Upgrade – Pipeline *(Completed)*	01/07/10	03/31/16	03/31/16	01/07/10	03/31/16	03/31/16	-	-	-
36803	BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2 *(Completed)*	01/07/10	05/28/10	05/28/10	01/07/10	05/28/10	05/28/10	-	-	-
38001	BDPL Nos. 3 & 4 Crossovers *(Completed)*	07/13/09	09/11/13	06/30/14	07/13/09	09/11/13	06/30/14	-	-	-
38901	SFPUC/EBMUD Intertie *(Completed)*	01/25/05	03/20/14	03/20/14	01/25/05	03/20/14	03/20/14	-	-	-
39301	BDPL No. 4 Condition Assessment PCCP Sections *(Completed)*	N/A	N/A	02/06/09	N/A	N/A	02/06/09	-	-	-
BDP0101	WSIP Closeout – Bay Division [2]	07/01/16	06/20/19	12/20/19	07/01/16	11/19/19	06/30/20	-	5 (Late)	6 (Late)
Peninsula Region										
35401	Lower Crystal Springs Dam Improvements *(Completed)*	01/31/11	05/01/12	12/28/12	01/31/11	05/01/12	12/28/12	-	-	-
35601	New Crystal Springs Bypass Tunnel *(Completed)*	12/01/08	08/17/12	08/17/12	12/01/08	08/17/12	08/17/12	-	-	-

ATTACHMENT 4: March 2018 Revised WSIP – Summary of Proposed Schedule Changes

Project No.	Project Name	Current Approved [1]			March 2018 Proposed			Variance (in months)		
		Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion
35701	Adit Leak Repair - Crystal Springs/Calaveras *(Completed)*	04/09/07	03/05/08	07/31/08	04/09/07	03/05/08	07/31/08	-	-	-
36101	Pulgas Balancing - Inlet/Outlet Work *(Completed)*	N/A	02/02/06	05/11/06	N/A	02/02/06	05/11/06	-	-	-
36102	Pulgas Balancing - Discharge Channel Modifications *(Completed)*	04/02/09	12/07/09	07/30/10	04/02/09	12/07/09	07/30/10	-	-	-
36103	Pulgas Balancing - Structural Rehabilitation and Roof Replacement *(Completed)*	11/30/09	09/01/11	12/28/12	11/30/09	09/01/11	12/28/12	-	-	-
36105	Pulgas Balancing - Modifications of the Existing Dechloramination Facility *(Completed)*	09/22/10	10/25/12	03/20/13	09/22/10	10/25/12	03/20/13	-	-	-
36501	Cross Connection Controls *(Completed)*	07/31/08	11/26/08	04/30/09	07/31/08	11/26/08	04/30/09	-	-	-
36601	HTWTP Short-Term Improvements (Demo Filters) *[Completed]*	09/14/05	02/27/06	11/14/06	09/14/05	02/27/06	11/14/06	-	-	-
36603	HTWTP Short-Term Improvements - Coagulation & Flocculation/ Remaining Filters *(Completed)*	07/10/08	03/31/10	07/28/10	07/10/08	03/31/10	07/28/10	-	-	-
36701	HTWTP Long-Term Improvements *(Completed)*	03/16/11	09/30/16	12/30/16	03/16/11	09/30/16	12/30/16	-	-	-
36702	Peninsula Pipelines Seismic Upgrade *(Completed)*	04/28/14	02/29/16	07/06/16	04/28/14	02/29/16	07/06/16	-	-	-
36901	Capuchino Valve Lot Improvements *(Completed)*	01/29/07	03/05/08	08/19/08	01/29/07	03/05/08	08/19/08	-	-	-
37101	Crystal Springs/San Andreas Transmission Upgrade *(Completed)*	12/01/10	06/30/15	06/30/15	12/01/10	06/30/15	06/30/15	-	-	-
37801	Crystal Springs Pipeline No. 2 Replacement *(Completed)*	03/07/11	03/30/13	12/31/14	03/07/11	12/31/14	12/31/14	-	21 (Late)	-
37901	San Andreas Pipeline No. 3 Installation *(Completed)*	08/27/09	06/30/11	08/30/12	08/27/09	06/30/11	08/30/12	-	-	-
39101	Baden and San Pedro Valve Lots Improvements *(Completed)*	04/08/09	12/30/11	03/29/13	04/08/09	12/30/11	03/29/13	-	-	-
PWI0101	WSIP Closeout - Peninsula [2]	07/01/16	06/20/19	12/20/19	07/24/18	11/20/20	05/19/21	25 (Late)	17 (Late)	17 (Late)

ATTACHMENT 4: March 2018 Revised WSIP – Summary of Proposed Schedule Changes

Project No.	Project Name	Current Approved [1]			March 2018 Proposed			Variance (in months)		
		Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion	Construction NTP [2]	Construction Phase Completion	Project Completion
San Francisco Regional Region										
30103	Regional Groundwater Storage and Recovery [2]	01/30/12	01/31/19	07/30/19	01/30/12	06/30/21	12/30/21	-	29 (Late)	29 (Late)
35801	Sunset Reservoir - North Basin *(Completed)*	10/10/06	11/09/09	09/10/10	10/10/06	11/09/09	09/10/10	-	-	-
37201	University Mound Reservoir - North Basin *(Completed)*	08/03/09	08/23/11	03/29/13	08/03/09	08/23/11	03/29/13	-	-	-
Support Projects										
36302	System Security Upgrades [2]	11/13/06	09/30/17	03/31/18	11/13/06	03/31/18	09/28/18	-	6 (Late)	6 (Late)
38801	Programmatic EIR *(Completed)* [3]	N/A	N/A	06/30/09	N/A	N/A	06/30/09	-	-	-
38802	Bioregional Habitat Restoration [2]	06/27/11	03/07/18	05/31/18	06/27/11	05/31/18	09/30/21	-	3 (Late)	40 (Late)
38803	Vegetation Restoration of WSIP Construction Sites *(Completed)*	N/A	N/A	06/30/16	N/A	N/A	06/30/16	-	-	-
38804	Long Term Mitigation Endowment [4]	N/A	N/A	08/31/18	N/A	N/A	09/30/21	-	-	37 (Late)
39201	Program Management Project [3]	N/A	N/A	12/20/19	N/A	N/A	12/30/21	-	-	24 (Late)
39401	Watershed and Environmental Improvement Program [5]	N/A	N/A	04/26/19	05/06/19	07/06/20	01/08/21	-	-	20 (Late)

(1) Schedule approved as part of the March 2016 and January 2017 Revised WSIP, plus any additional schedule changes approved by the Commission as part of additional contingencies on construction contracts.

(2) For projects with multiple construction contracts, the NTP date reported is that of the earliest contract.

(3) Program activities managed and tracked separately but not included in 52 regional project count.

(4) The Long Term Mitigation Endowment (LTME) fund is to provide a secure source of funds for perpetual monitoring and maintenance of the Bioregional Habitat Restoration sites constructed in the SFPUC watershed. The LTME fund does not involve construction activities.

(5) The Watershed and Environmental Improvement Program (WEIP) is a program-wide effort to permanently protect watersheds and other lands through perpetual conservation easements and/or fee title purchase of property from willing landowners, and includes funding for construction of educational/outreach facilities.

☐ Completed Projects

ATTACHMENT 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes

PROJECT NO.	Project Name	CONSTRUCTION COSTS[1]			DELIVERY COSTS[2]			OTHER COSTS[3]			TOTAL PROJECT COSTS		
		Current Approved[4]	March 2018 Proposed	Variance	Current Approved[4]	March 2018 Proposed	Variance	Current Approved[4]	March 2018 Proposed	Variance	Current Approved[4]	March 2018 Proposed	Variance
San Joaquin Region		**$221,319,724**	**$222,552,903**	($1,233,179)	**$115,766,229**	**$117,461,543**	($1,695,314)	**$8,099,209**	**$8,184,486**	($85,278)	**$345,185,162**	**$348,198,932**	($3,013,770)
CUW36401	Lawrence Livermore Water Quality Improvement *(Completed)*	$1,481,801	$1,481,801	-	$2,716,679	$2,716,446	-	-	-	-	$4,198,480	$4,198,247	$233
CUW37301	San Joaquin Pipeline System *(Completed)*	$125,715,747	$125,965,937	($250,190)	$73,823,584	$73,780,110	$43,474	$3,346,690	$3,431,968	($85,278)	$202,886,020	$203,178,014	($291,994)
CUW37302	Rehabilitation of Existing San Joaquin Pipelines *(Completed)*	$11,434,658	$11,434,583	$75	$9,694,780	$9,695,039	($259)	$24,000	$24,000	-	$21,153,438	$21,153,622	($184)
CUW38401	Tesla Treatment Facility *(Completed)*	$81,277,518	$81,277,518	-	$27,219,909	$27,205,570	$14,339	$4,728,519	$4,728,519	-	$113,225,946	$113,211,607	$14,339
CUW38701	Tesla Portal Disinfection Station *(Combined with CUW38401)*	-	-	-	$2,081,278	$2,081,278	-	-	-	-	$2,081,278	$2,081,278	-
CUWSJI0101	WSIP Closeout - San Joaquin	$1,410,000	$2,393,064	($983,064)	$230,000	$1,983,100	($1,753,100)	-	-	-	$1,640,000	$4,376,164	($2,736,164)
Sunol Valley Region		**$1,109,731,249**	**$1,124,510,895**	($14,779,646)	**$338,588,109**	**$359,409,638**	($20,821,529)	**$27,697,960**	**$5,528,648**	**$22,169,312**	**$1,476,017,317**	**$1,489,449,181**	($13,431,864)
CUW35201	Alameda Creek Recapture Project	$13,600,000	$15,402,000	($1,802,000)	$14,499,447	$18,550,006	($4,050,559)	$1,311,553	$48,000	$1,263,553	$29,411,000	$34,000,006.44	($4,589,006)
CUW35501	Standby Power Facilities - Various Locations *(Completed)*	$9,602,901	$9,602,901	-	$3,347,665	$3,347,665	-	-	-	-	$12,950,566	$12,950,566	-
CUW35901	New Irvington Tunnel	$276,836,895	$272,130,689	$4,706,206	$64,775,956	$65,812,902	($1,036,946)	$5,515,172	$2,462,767	$3,052,404	$347,128,023	$340,406,358	$6,721,664
CUW35902	Alameda Siphon #4 *(Completed)*	$41,479,253	$41,479,253	-	$23,352,351	$23,209,275	$143,076	$261,978	$261,978	-	$65,093,582	$64,950,507	$143,075
CUW37001	Pipeline Repair & Readiness Improvements *(Completed)*	$2,763,325	$2,763,325	-	$2,432,056	$2,432,056	-	-	-	-	$5,195,381	$5,195,381	-
CUW37401	Calaveras Dam Replacement	$626,666,833	$644,509,688	($17,842,855)	$163,228,691	$176,296,031	($13,067,340)	$20,128,900	$2,286,046	$17,842,854	$810,024,424	$823,091,765	($13,067,341)
CUW37402	Calaveras Reservoir Upgrades *(Completed)*	$1,274,600	$1,274,600	-	$415,953	$415,953	-	-	-	-	$1,690,552	$1,690,552	-
CUW37403	San Antonio Backup Pipeline *(Completed)*	$33,339,396	$33,339,396	-	$20,349,054	$20,255,287	$93,767	-	-	-	$53,688,450	$53,594,683	$93,767
CUW38101	SVWTP Expansion & Treated Water Reservoir *(Completed)*	$94,121,180	$94,121,180	-	$35,002,637	$35,002,638	($1)	$469,856	$469,856	-	$129,593,674	$129,593,674	-
CUW38102	SVWTP Calaveras Road *(Eliminated)*	-	-	-	$34,654	$34,654	-	-	-	-	$34,654	$34,654	-
CUW38201	SVWTP Treated Water Reservoir *(Combined with CUW38101)*	-	-	-	$5,056,596	$5,056,596	-	-	-	-	$5,056,596	$5,056,596	-
CUW38601	San Antonio Pump Station Upgrade *(Completed)*	$7,516,865	$7,516,865	-	$5,378,050	$5,377,727	$323	$10,500	-	$10,500	$12,905,415	$12,894,592	$10,823
CUWSVI0101	WSIP Closeout - Sunol Valley	$2,530,000	$2,370,998	$159,002	$715,000	$3,618,848	($2,903,848)	-	-	-	$3,245,000	$5,989,845	($2,744,845)

ATTACHMENT 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes

PROJECT NO.	Project Name	CONSTRUCTION COSTS[1]			DELIVERY COSTS[2]			OTHER COSTS[3]			TOTAL PROJECT COSTS		
		Current Approved [4]	March 2018 Proposed	Variance	Current Approved [4]	March 2018 Proposed	Variance	Current Approved [4]	March 2018 Proposed	Variance	Current Approved [4]	March 2018 Proposed	Variance
Bay Division Region		**$469,801,064**	**$462,880,470**	**$6,920,594**	**$172,199,870**	**$176,186,163**	**($3,986,293)**	**$9,847,603**	**$8,763,089**	**$1,084,514**	**$651,848,538**	**$647,829,723**	**$4,018,815**
CUW35301	BDPL Nos. 3 & 4 Crossover/Isolation Valves *(Completed)*	$20,649,650	$20,649,649	$1	$6,395,977	$6,389,500	$6,477	-	-	-	$27,045,627	$27,039,149	$6,478
CUW35302	Seismic Upgrade of BDPL Nos. 3 & 4	$46,434,104	$43,114,117	$3,319,987	$28,969,853	$30,435,863	($1,466,010)	$1,576,478	$73,316	$1,503,162	$76,980,435	$73,623,296	$3,357,139
CUW36301	SCADA System - Phase II *(Completed)*	$5,390,903	$5,390,903	-	$4,061,569	$4,061,569	-	$18,450	$18,450	-	$9,470,922	$9,470,922	-
CUW36801	BDPL Reliability Upgrade - Tunnel *(Completed)*	$224,703,858	$220,454,710	$4,249,148	$49,224,590	$50,077,878	($853,288)	$2,003,096	$1,831,502	$171,594	$275,931,544	$272,364,089	$3,567,455
CUW36802	BDPL Reliability Upgrade - Pipeline	$146,131,835	$145,692,701	$439,134	$65,420,170	$65,477,542	($57,372)	$5,710,670	$5,700,912	$9,758	$217,262,675	$216,871,156	$391,519
CUW36803	BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2 *(Completed)*	$2,363,367	$2,363,367	-	$683,615	$683,615	-	-	-	-	$3,046,981	$3,046,981	-
CUW38001	BDPL Nos. 3 & 4 Crossovers *(Completed)*	$14,794,660	$14,794,660	-	$14,576,880	$14,576,880	-	$538,909	$538,909	-	$29,910,448	$29,910,449	($1)
CUW38901	SFPUC/EBMUD Intertie *(Completed)*	$8,489,689	$8,489,689	-	$677,617	$677,617	-	-	-	-	$9,167,306	$9,167,306	-
CUW39301	BDPL No. 4 Condition Assessment PCCP Sections *(Completed)*	-	-	-	$1,937,599	$1,937,599	-	-	-	-	$1,937,599	$1,937,599	-
CUWBDP0101	WSIP Closeout - Bay Division	$843,000	$1,930,675	($1,087,675)	$252,000	$1,868,100	($1,616,100)	-	$600,000	($600,000)	$1,095,000	$4,398,775	($3,303,775)
Peninsula Region		**$542,262,283**	**$547,050,940**	**($4,788,657)**	**$256,006,908**	**$255,133,493**	**$873,415**	**$6,270,639**	**$2,940,047**	**$3,330,592**	**$804,539,830**	**$805,124,480**	**($584,650)**
CUW35401	Lower Crystal Springs Dam Improvements *(Completed)*	$20,357,966	$20,357,967	($1)	$14,451,073	$14,451,073	-	$50,000	$50,000	-	$34,859,039	$34,859,040	($1)
CUW35601	New Crystal Springs Bypass Tunnel *(Completed)*	$57,409,887	$57,409,887	-	$23,933,121	$23,933,121	-	$92,603	$123,725	($31,122)	$81,435,610	$81,466,732	($31,122)
CUW35701	Adit Leak Repair - Crystal Springs/Calaveras *(Completed)*	$1,706,478	$1,706,478	-	$1,080,845	$1,080,845	-	-	-	-	$2,787,322	$2,787,322	-
CUW36101	Pulgas Balancing - Inlet/Outlet Work *(Completed)*	$638,020	$638,020	-	$1,127,918	$1,127,918	-	-	-	-	$1,765,938	$1,765,938	-
CUW36102	Pulgas Balancing - Discharge Channel Modifications *(Completed)*	$903,240	$903,240	-	$1,942,236	$1,942,236	-	$64,531	$64,531	-	$2,910,007	$2,910,007	-
CUW36103	Pulgas Balancing - Structural Rehabilitation and Roof Replacement *(Completed)*	$13,276,548	$13,283,050	($6,502)	$6,804,183	$6,804,183	-	$151,483	$151,483	-	$20,232,215	$20,238,716	($6,501)
CUW36104	Pulgas Balancing - Laguna Creek Sedimentation *(Eliminated)*	-	-	-	$503,928	$503,928	-	-	-	-	$503,928	$503,928	-
CUW36105	Pulgas Balancing - Modifications of the Existing Dechloramination Facility *(Completed)*	$2,054,696	$2,054,696	-	$3,285,334	$3,285,334	-	$50,000	$50,000	-	$5,390,031	$5,390,031	-
CUW36501	Cross Connection Controls *(Completed)*	$1,835,224	$1,835,224	-	$2,090,210	$2,090,210	-	$23,509	$23,509	-	$3,948,944	$3,948,944	-
CUW36601	HTWTP Short-Term Improvements (Demo Filters) *(Completed)*	$1,683,042	$1,683,042	-	$1,384,862	$1,384,862	-	-	-	-	$3,067,903	$3,067,903	-

ATTACHMENT 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes

PROJECT NO.	Project Name	CONSTRUCTION COSTS[1]			DELIVERY COSTS[2]			OTHER COSTS[3]			TOTAL PROJECT COSTS		
		Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance
CUW36602	HTWTP Short-Term Improvements - Remaining Filters *(Combined with CUW36603)*	-	-	-	$1,424,510	$1,424,510	-	-	-	-	$1,424,510	$1,424,510	-
CUW36603	HTWTP Short-Term Improvements - Coagulation & Flocculation/ Remaining Filters *(Completed)*	$15,214,291	$15,214,291	-	$3,390,647	$3,390,646	$1	-	-	-	$18,604,938	$18,604,937	$1
CUW36701	HTWTP Long-Term Improvements *(Completed)*	$198,358,927	$196,615,628	$1,743,299	$77,767,573	$76,482,504	$1,285,069	$4,111,837	$983,837	$3,128,000	$280,238,337	$274,081,969	$6,156,368
CUW36702	Peninsula Pipelines Seismic Upgrade *(Completed)*	$23,527,142	$23,097,596	$429,546	$15,975,952	$15,165,614	$810,338	$795,850	$562,136	$233,714	$40,298,944	$38,825,346	$1,473,598
CUW36901	Capuchino Valve Lot Improvements *(Completed)*	$1,576,733	$1,576,733	-	$1,226,420	$1,226,420	-	-	-	-	$2,803,153	$2,803,153	-
CUW37101	Crystal Springs/San Andreas Transmission Upgrade *(Completed)*	$133,915,522	$133,915,522	-	$56,688,511	$56,257,341	$431,170	$136,590	$136,590	-	$190,740,623	$190,309,453	$431,170
CUW37801	Crystal Springs Pipeline No. 2 Replacement *(Completed)*	$34,750,123	$34,750,123	-	$21,014,026	$20,932,509	$81,517	$387,877	$387,877	-	$56,152,026	$56,070,509	$81,517
CUW37901	San Andreas Pipeline No. 3 Installation *(Completed)*	$17,087,803	$17,087,803	-	$10,001,396	$10,001,396	-	$406,359	$406,359	-	$27,495,558	$27,495,558	-
CUW39101	Baden and San Pedro Valve Lots Improvements *(Completed)*	$15,646,639	$15,646,639	-	$9,344,164	$9,344,164	-	-	-	-	$24,990,803	$24,990,803	-
CUWPW0101	WSIP Closeout - Peninsula	$2,320,000	$9,275,000	($6,955,000)	$2,570,000	$4,304,680	($1,734,680)	-	-	-	$4,890,000	$13,579,680	($8,689,680)
San Francisco Regional Region		**$150,016,354**	**$164,477,403**	($14,461,049)	**$63,806,718**	**$76,578,193**	($12,771,475)	**$7,448,498**	**$5,274,995**	**$2,173,503**	**$221,271,570**	**$246,330,591**	($25,059,021)
CUW30103	Regional Groundwater Storage and Recovery	$66,077,951	$80,539,000	($14,461,049)	$40,053,551	$52,979,319	($12,925,768)	$7,448,498	$5,274,995	$2,173,503	$113,580,000	$138,793,314	($25,213,314)
CUW35801	Sunset Reservoir - North Basin *(Completed)*	$52,777,386	$52,777,386	-	$11,494,184	$11,493,339	$845	-	-	-	$64,271,570	$64,270,725	$845
CUW37201	University Mound Reservoir - North Basin *(Completed)*	$31,161,017	$31,161,017	-	$12,258,983	$12,105,535	$153,448	-	-	-	$43,420,000	$43,266,552	$153,448
Support Projects		**$6,216,651**	**$21,265,068**	($15,048,417)	**$165,360,283**	**$171,592,696**	($6,232,413)	**$90,626,310**	**$73,274,990**	**$17,351,320**	**$262,203,244**	**$266,132,754**	($3,929,510)
CUW36302	System Security Upgrade	$6,216,651	$6,166,652	$49,999	$8,634,660	$9,034,659	($399,999)	$350,000	-	$350,000	$15,201,312	$15,201,311	$1
CUW38801	Programmatic EIR *(Completed)*	-	-	-	$10,730,307	$10,730,684	($377)	-	-	-	$10,730,307	$10,730,684	($377)
CUW38802	Bioregional Habitat Restoration	-	-	-	$33,264,419	$35,381,866	($2,117,447)	$58,536,799	$57,960,117	$576,682	$91,801,218	$93,341,983	($1,540,765)
CUW38803	Vegetation Restoration of WSIP Construction Sites *(Completed)*	-	-	-	$1,265,447	$1,177,223	$88,224	$934,553	$934,323	$230	$2,200,000	$2,111,546	$88,454
CUW38804	Long Term Mitigation Endowment	-	-	-	-	-	-	$12,000,000	$12,000,000	-	$12,000,000	$12,000,000	-
CUW39201	Program Management Project	-	-	-	$109,247,229	$112,747,230	($3,500,001)	$1,023,178	-	$1,023,178	$110,270,407	$112,747,230	($2,476,823)
CUW39401	Watershed and Environmental Improvement Program	-	$15,098,416	($15,098,416)	$2,218,220	$2,521,034	($302,814)	$17,781,781	$2,380,550	$15,401,231	$20,000,000	$20,000,000	-

ATTACHMENT 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes

PROJECT NO.	Project Name	CONSTRUCTION COSTS(1)			DELIVERY COSTS(2)			OTHER COSTS(3)			TOTAL PROJECT COSTS		
		Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance	Current Approved*	March 2018 Proposed	Variance
	Regional Program Sub-Total	**$2,499,347,326**	**$2,542,737,679**	($43,390,353)	**$1,111,728,117**	**$1,156,361,726**	($44,633,609)	**$149,990,219**	**$103,966,255**	**$46,023,964**	**$3,761,065,661**	**$3,803,065,661**	($42,000,000)
	San Francisco Local Program												
	All Original Local Projects	$237,839,875	$238,000,793	($160,918)	$92,325,257	$92,164,339	**$160,918**	$1,240,344	$1,240,344	-	$331,405,476	$331,405,476	-
	Water Supply Projects	$186,792,234	$186,792,234	-	$91,502,404	$91,502,404	-	$3,017,895	$3,017,895	-	$281,312,533	$281,312,533	-
	Local Program Sub-Total	**$424,632,109**	**$424,793,027**	($160,918)	**$183,827,661**	**$183,666,743**	**$160,918**	**$4,258,240**	**$4,258,240**	-	**$612,718,010**	**$612,718,010**	-
	Regional + Local Programs Sub-Total	**$2,923,979,434**	**$2,967,530,706**	($43,551,272)	**$1,295,555,778**	**$1,340,028,469**	($44,472,691)	**$154,248,459**	**$108,224,495**	**$46,023,964**	**$4,373,783,671**	**$4,415,783,671**	($42,000,000)
	Financing Cost										**$471,700,000**	**$371,991,469**	**$99,708,531**
	PROGRAM TOTAL										**$4,845,483,671**	**$4,787,775,140**	**$57,708,531**

LEGEND

* Cost approved as part of the March 2016 Revised WSIP, plus any additional cost changes approved by the Commission as part of additional contingencies on construction contracts.

(1) **Construction Costs** include the Construction Base Bid, Construction Contingency and owner-provided equipment/material.

(2) **Delivery Costs** include program and project management, planning, environmental (CEQA, permitting, construction compliance), design, construction management, and engineering support during construction.

(3) **Other Costs** include environmental mitigation, art enrichment, security Improvements, and real estate expenses.

ATTACHMENT 6:

March 2018 Proposed Revised WSIP - Explanation of Proposed Schedule Changes

HETCH HETCHY WATER SYSTEM IMPROVEMENT PROGRAM

The proposed project schedules in the March 2018 Proposed Revised Water System Improvement Program (WSIP) reflect the latest available information on each active regional project based on the status of ongoing implementation efforts as of early March 2018. It is standard practice to refine project schedules as more knowledge is gained about project-specific needs and challenges. The recent schedule forecasting and review efforts have led to more accurate and realistic project-specific schedules. With only four (4) WSIP projects remaining in pre-construction (Alameda Creek Recapture, WSIP Closeout – Sunol Valley, WSIP Closeout – Peninsula, and Watershed and Environmental Improvement Program), most of the proposed schedule changes are related to issues encountered in the field during construction.

Attachment 4: March 2018 Revised WSIP - Summary of Proposed Schedule Changes, compares the Current Approved and Proposed March 2018 dates for Construction Notice-to-Proceed (NTP), Construction Phase Completion, and Project Completion for all WSIP regional projects. Provided below is a brief explanation as to why the Proposed March 2018 completion dates for certain projects have been extended beyond the Current Approved completion dates. Note that this document does not provide explanations for the thirty-nine (39) projects that have been completed and the three (3) projects that have no schedule variances (i.e., the Current Approved Project Completion date is the same as or is less than one (1) month off the Proposed March 2018 Project Completion date).

Projects with Completion Dates Extended Less than 3 Months

None

Projects with Completion Dates Extended by 3 to 6 Months

Seismic Upgrade of BDPL Nos. 3 & 4 (4-Month Change):
The new facilities and improvements constructed as part of the Seismic Upgrade of BDPL Nos. 3 & 4 Project have been in service since June 20, 2014. As such, the SFPUC Water Enterprise has beneficial use of all the new facilities and improvements built as part of this project. The project is currently in the administrative closeout phase.

The proposed schedule revision is to allow the Contractor to resolve labor compliance and stop notice issues and for the SFPUC to close out the memorandum of understanding with Alameda County Water District regarding project work, which is taking longer than previously anticipated. The Current Approved Project Completion date is March 31, 2018 and the Proposed Project Completion Date is July 30, 2018, which represents a 4-month extension.

Projects with Completion Dates Extended by 6 to 12 Months

WSIP Closeout - Bay Division (6-Month Change):
The proposed schedule revision is to allow for the planning to advance for decommissioning of the BDPL Nos. 1 and 2 until such time that the funding for a new project established under the Water Enterprise 10-Year Capital Improvement Program (CIP) becomes available in July 2020. The Current Approved Project Completion date is December 20, 2019 and the Proposed Project Completion Date is June 30, 2020, which represents a 6-month extension.

System Security Upgrades (6-Month Change):
This project provides furnishing and installing of Access Control and Alarm Monitoring System (ACAMS) and Digital Video Surveillance System (DVSS) equipment, and necessary security systems, to WSIP regional projects after the each project is substantially completed. The proposed schedule revision is due to delay in the fabrication and installation of security doors at Irvington and Alameda West portals under the WSIP Closeout – Sunol Valley Region project. The doors were recently installed, and the requisite security system installation work can now proceed. The Current Approved Project Completion Date is March 31, 2018 and the Proposed Project Completion Date is September 28, 2018, which represents a 6-month extension.

Projects with Completion Dates Extended by Greater than 12 Months

WSIP Closeout - Peninsula (17-Month Change):
The work to be performed below Lower Crystal Springs Dam (LCSD) as part of the construction contract for the combined LCSD Stilling Basin Modifications & Dissipation Structure Riprap & LCSD Valve H53 / Pipeline Investigation & Fisheries Valve sub-projects will be delayed. This is to allow completion of the San Mateo County Bridge over the dam so as to avoid potential safety issues with performing work below an active construction site. In addition, during the re-bidding process, only one (1) bid was received, and it was deemed non-responsive; therefore, the bid was rejected and work under these sub-projects that were merged into one (1) construction project will need to be re-bid yet again. The Current Approved Project Completion date is December 20, 2019 and the Proposed Project Completion date is May 19, 2021, which represents a 17-month extension.

WSIP Closeout - Sunol Valley (18-Month Change):
The proposed schedule revision is to accommodate the change in scope for the Sunol Valley Water Treatment Plant (SVWTP) Basin 5 Optimization (now re-named the SVWTP Polymer Feed Facility) sub-project to now also include Basins 1 to 4. Although Basins 1 to 4 will be funded by the Water Enterprise 10-Year CIP, adding this scope to the sub-project will require extending the duration of the project. The Current Approved Project Completion date is December 20, 2019 and the Proposed Project Completion date is June 30, 2021, which represents an 18-month extension.

Watershed and Environmental Improvement Program (20-Month Change):
The proposed schedule revision is to allow additional time to complete the environmental review process and finalize the design of the Southern Skyline Boulevard Ridge Trail Extension project. The Current Approved Project Completion date is April 26, 2019 and the Proposed Project Completion Date is November 5, 2020, which represents a 20-month extension.

Alameda Creek Recapture Project (28-Month Change):
The project was advertised for construction bids on June 29, 2017. However, the advertisement for bids was cancelled due to an appeal of the Environmental Impact Report (EIR) which had previously been certified by the San Francisco Planning Department. The San Francisco Board of Supervisors upheld the appeal for a portion of the EIR; accordingly a section of the EIR needs to be prepared for re-circulation. The construction contract will be re-advertised for bids once the re-circulated portion of the EIR is re-certified and approved. The schedule revision will allow for the EIR re-circulation, the permitting, the contract re-advertisement for bids, and an increase to the construction phase duration. The Current Approved Project Completion date is June 28, 2019 and the Proposed Project Completion date is November 3, 2021, resulting in a 28-month extension.

Regional Groundwater Storage and Recovery (29-Month Change):
The proposed schedule revision will allow for completion of Phase 1 work and implementation of the revised scope of Phase 2 work for the project. Substantial completion for Phase 1 work was

achieved on December 31, 2017. However, the schedule extension to achieve final completion for Phase 1 work is related to necessary changes in the chemical injection points for sodium hydroxide (NaOH) treatment which required the addition and modification of NaOH systems as well as the addition of remote automated sampling analyzers at seven well stations. Other significant issues impacting the Phase 1 completion schedule include modifications to utility connections, modifications to site access at three (3) well stations to accommodate large chemical delivery trucks, and execution of the system-wide startup and testing. The overall project schedule revision also allows for the implementation of the revised Phase 2 scope of the project, which includes drilling of up to three (3) additional test wells in Millbrae and South San Francisco and design and construction of the South San Francisco Main well and pipeline to be connected to an existing Cal Water service station. The Current Approved Project Completion date is July 30, 2019 and the Proposed Project Completion date is December 30, 2021, resulting in a 29-month extension.

Long Term Mitigation Endowment (37-month change):
This project will establish the perpetual endowment fund requested by the US Army Corps of Engineers and the California Department of Fish and Wildlife to provide a secure source of funds for the perpetual monitoring and maintenance of the Bioregional Habitat Restoration (BHR) sites constructed in the SFPUC watershed. The proposed schedule revision is to synchronize the completion date of the project with the revised completion date of the BHR project so as to allow for the negotiation, preparation, and approval of a financial assurances memorandum of understanding (MOU) with regulatory agencies. The Current Approved Project Completion date is August 31, 2018 and the Proposed Project Completion date is September 30, 2021, resulting in a 37-month extension.

Bioregional Habitat Restoration (40-month change):
The proposed schedule revision is based on the estimated time to complete outstanding financial planning and MOUs which are pre-requisites for the creation of long term maintenance endowments. Endowments for the long term management and maintenance of the WSIP BHR mitigation sites must be complete and supported by the federal and state permitting agencies (via MOUs) prior to the real estate transactions that will establish BHR conservation easements. Significant work has been completed to date, including but not limited to the creation and enhancement of the BHR sites, the drafting of conservation easements, the drafting of MOUs with land trusts and federal and state permitting agencies, and the fulfillment of annual monitoring and reporting requirements. Due to complex legal and investment options and potential restrictions, additional time is required to analyze and determine the most appropriate long term endowment management and related investment options, finalize financial MOUs, and secure approval from federal and state permitting agencies, land trusts, the SFPUC Commission, and the BOS for the conservation easements and endowment plans. The Current Approved Project Completion Date is May 31, 2018 and the Proposed Project Completion Date is September 30, 2021, which represents a 40-month extension.

ATTACHMENT 7:

March 2018 Proposed Revised WSIP - Explanation of Proposed Budget Changes

HETCH HETCHY WATER SYSTEM IMPROVEMENT PROGRAM

The proposed project budgets in the March 2018 Proposed Revised Water System Improvement Program (WSIP) reflect the latest available information on each active project based on the status of ongoing implementation efforts as of early March 2018. It is standard practice to refine project budgets as more knowledge is gained about project-specific needs and challenges. The recent budget forecasting and review efforts have led to more accurate and realistic project-specific budgets. With only four (4) WSIP projects remaining in pre-construction (Alameda Creek Recapture, WSIP Closeout – Sunol Valley, WSIP Closeout – Peninsula, and Watershed and Environmental Improvement Program), most of the proposed budget changes are related to issues encountered in the field during construction.

Attachment 5: March 2018 Revised WSIP - Summary of Proposed Budget Changes, compares the Current Approved and Proposed March 2018 project budgets allocated for Construction Costs, Delivery Costs, Other Costs, and Total Costs for all WSIP regional projects. Provided below is an explanation as to why the Proposed March 2018 project budgets for certain active projects are different than the Current Approved project budget. Note that this document does not provide explanations for the thirty-nine (39) projects that have been completed and the three (3) active projects that have no budget variances (i.e., projects where the Current Approved Budget is the same as the Proposed March 2018 Project Budget or the change less than $100,000).

Projects with Budget Decreases

New Irvington Tunnel (-$6.7M Change):
The proposed budget revision is due to unused construction contingencies and lower than expected project delivery costs. The Current Approved Project Budget is $347.1M and the Proposed March 2018 Project Budget is $340.4M which represents a $6.7M (or 1.9%) decrease. This project is currently in the project administrative closeout phase.

Seismic Upgrade of BDPL Nos. 3 & 4 (-$3.4M Change):
The proposed budget revision is due to unused construction contingencies and lower than expected project delivery costs. The Current Approved Project Budget is $77.0M and the Proposed March 2018 Project Budget is $73.6M which represents a $3.4M (or 4.4%) decrease. This project is currently in the final construction and project administrative closeout phases.

Projects with Budget Increases Less than $2 Million

Bioregional Habitat Restoration (+$1.5M Change):
The proposed budget revision is due to: (1) the eradication of pathogens and drought conditions that added an extra year of maintenance and watering at San Antonio Creek project site; and (2) the mitigation of naturally occurring asbestos and the paving at Sawyer Camp Trail added to the Peninsula Vegetation Removal contract. The Current Approved Project Budget is $91.8M and the Proposed March 2018 Project Budget is $93.3M, which represents a $1.5M (or 1.6%) increase.

Projects with Budget Increases of $2 to 5 Million

WSIP Closeout - San Joaquin (+$2.7M)

The proposed budget revision is due to change in scope for the Supplemental Solar Panel Installation sub-project. Due to the shadows cast by the new microwave towers at the three (3) sites, additional construction funding has been allocated to increase the power capacity if necessary. Cost increases also include additional delivery cost to evaluate the changes in conditions. The Current Approved Project Budget is $1.6M and the Proposed March 2018 Project Budget is $4.4M, which represents an increase of $2.7M (or 167%).

WSIP Closeout - Sunol Valley (+$2.7M)

The proposed budget revision is due to the addition of three (3) sub-projects including 1) Miscellaneous Work at Alameda West Portal (AWP), Irvington Portal (IVP) and San Antonio Backup Pipeline 2) New Irvington Tunnel (NIT) Water Quality Equipment Relocation, and 3) San Antonio Backup Pipeline Carrier Water System Modifications. Cost increases include the addition of construction and delivery cost for these new sub-projects. For the SVWTP Polymer Feed Facility, there is no change in the project cost under WSIP for Basin 5; the additional scope of work for Basins 1 to 4 will be funded under the Water Enterprise 10-Year CIP. The Current Approved Project Budget is $3.2M and the Proposed March 2018 Project Budget is $6.0M, which represents an increase of $2.7M (or 84.3%).

WSIP Closeout - Bay Division (+$3.3M Change)

The proposed budget revision is due to the addition of a new sub-project, Ventilation and Sump Pump Systems Installation, and scope refinements for several sub-projects including the Caltrans V-Ditch Across SFPUC ROW (renamed Site Drainage and Pipe Coating Repairs), Bay Tunnel Warranty Inspection and BDPL Nos. 1 & 2 EIR Mitigation, and Corrosion Protection for Valve E50U. Cost increases include both construction and delivery (soft) costs for these sub-projects. The Current Approved Project Budget is $1.1M and the Proposed March 2018 Project Budget is $4.4M, which represents an increase of $3.3M (or 300%).

Alameda Creek Recapture (+$4.6M Change):
The proposed budget revision is due to project delivery cost increases associated with re-circulating a section of the EIR, redesigning and repackaging the bid documents, re-advertisement for bids, extended construction management and support, and construction cost increases due to design changes related to the Pond F2 access road and barge system. The Current Approved Project Budget is $29.4M and the Proposed March 2018 Project Budget is $34.0M, which represents a $4.6M (or 15.6%) increase. This project is currently in Environmental and Design phase.

Projects with Budget Increases of $5 to 10 Million

WSIP Closeout - Peninsula (+$8.7M Change):
The proposed budget revision is due to scope additions for the LCSD Stilling Basin Modifications and Valve H53/Pipeline Investigation, and the addition of two (2) sub-projects, including the Harry Tracy Water Treatment Plant Improvements, and Crystal Springs / San Andreas Pipeline Erosion Repairs. The Current Approved Project Budget is $4.9M and the March 2018 Proposed Project Budget is $13.6M, which represents an increase of $8.7M (or 178%).

Projects with Budget Increases Greater than $10 Million

Calaveras Dam Replacement (+$13.1M Change):

There are two (2) parts for this change. The first part is for the new dam replacement (main project) and the second part is for the Fish Passage Facilities at Alameda Creek Diversion Dam (ACDD), a sub-project to the Calaveras Dam Replacement.

For the main project, the proposed budget revision is due to construction change orders related to the repair of the landslide on Calaveras Road and restoration of the West Haul Road. These change orders also include costs for accelerating the schedule so that the current approved construction schedule for the start of the embankment placement can be maintained and the embankment dam can be completed by Fall 2018, with the goal of allowing the reservoir to begin filling in the winter of 2018-19 as previously planned. Extension of the construction schedule has also increased the forecasted delivery (soft) costs. The main project is currently in Construction and is 85% complete.

For the Fish Passage Facilities at ACDD sub-project, the proposed budget revision is due to construction cost increases related to various change orders, potential change orders, and trends identified during construction and forecast delivery (soft) cost increases due to additional design, environmental monitoring and inspection, and construction management support required to complete the project. The project is currently in construction and 75% complete.

The Current Approved Project Budget for both the main dam replacement project and the ACCD subproject is $810.0M and the Proposed March 2018 Project Budget is $823.1M, which represents a $13.1M (or 1.6%) increase.

Regional Groundwater Storage and Recovery (+$25.2 Change):
The proposed budget revision is due to both construction cost and delivery cost increases for Phase 1 and Phase 2 work of the project. The cost for Phase 1 covers the modification of the sodium hydroxide chemical system, installation of remote automated sampling analyzers at seven well stations, modifications to the utility connections, improvements to address access issues at three well stations, and execution of the system-wide startup and testing. As a result of the delay, extended overhead costs will continue to be incurred until the construction completion. The budget revision is also to provide funding for Phase 2 work, which includes drilling of up to three (3) additional test wells in Millbrae and South San Francisco, design and construction of a well station to be connected to an existing Cal Water service station, and carryover work from Phase 1 that will be completed as part of Phase 2. The carryover work includes construction of permanent power connections to remote analyzers, modification of piping and the support pedestal for the chemical tank, and installation of sump pits. The Current Approved Project Budget is $113.6M and the Proposed Project Budget is $138.7M, which represents an increase of $25.2M (or 22.1%). The Phase 1 project is currently in the final Construction Phase and is 98% complete.

HETCH HETCHY
WATER SYSTEM IMPROVEMENT PROGRAM

ATTACHMENT 8:

March 2018 Proposed Revised WSIP Project Descriptions

Hetch Hetchy Regional Water System
Services of the San Francisco Public Utilities Commission

San Francisco Public Utilities Commission

Contents

Introduction **1**

San Joaquin Region **2**

36401, Lawrence Livermore Water Quality Improvement 2

37301, San Joaquin Pipeline System 2

37302, Rehabilitation of Existing San Joaquin Pipelines 3

38401, Tesla Treatment Facility 4

SJI, WSIP Closeout – San Joaquin Region 4

Sunol Valley Region **5**

35201, Alameda Creek Recapture Project 5

35501, Standby Power Facilities – Various Locations 6

35901, New Irvington Tunnel 7

35902, Alameda Siphon #4 8

37001, Pipeline Repair and Readiness Improvements 9

37401, Calaveras Dam Replacement 9

37402, Calaveras Reservoir Upgrades 12

37403, San Antonio Backup Pipeline 12

38101, SVWTP Expansion & Treated Water Reservoir 13

38601, San Antonio Pump Station Upgrade 14

SVI, WSIP Closeout – Sunol Region 15

Bay Division Region **15**

35301, BDPL Nos. 3 & 4 Crossover/Isolation Valves 17

35302, Seismic Upgrade of BDPL Nos. 3 & 4 18

36301, SCADA System – Phase II 19

36801, BDPL Reliability Upgrade – Tunnel 20

36802, BDPL Reliability Upgrade – Pipeline 21

36803, BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2 22

38001, BDPL Nos. 3 & 4 Crossovers 22

38901, SFPUC/EBMUD Intertie 23

39301, BDPL No. 4 Condition Assessment PCCP Sections 23

BDP, WSIP Closeout – Bay Division Region 24

Peninsula Region **24**

35401, Lower Crystal Springs Dam Improvements 26

35601, New Crystal Springs Bypass Tunnel 27

35701, Adit Leak Repair - Crystal Springs/Calaveras 27

36101, Pulgas Balancing - Inlet/Outlet Work 28

36102, Pulgas Balancing - Discharge Channel Modifications 28

36103, Pulgas Balancing - Structural Rehabilitation & Roof Replacement 29

36105, Pulgas Balancing - Modification of the Existing Dechloramination Facility 29

36501, Cross Connection Controls 30

36601/02/03, Harry Tracy Water Treatment Plant Short-Term Improvements 31

36701, Harry Tracy Water Treatment Plant Long-Term Improvements 31

36702, Peninsula Pipelines Seismic Upgrade 33

36901, Capuchino Valve Lot Improvements 34

37101, Crystal Springs/San Andreas Transmission System Upgrade 34

37801, Crystal Springs Pipeline No. 2 Replacement 36
37901, San Andreas Pipeline No. 3 Installation 36
39101, Baden and San Pedro Valve Lots Improvements 37
PNI, WSIP Closeout – Peninsula Region 37
San Francisco Regional Region 41
30103, Regional Groundwater Storage and Recovery 41
35801, Sunset Reservoir Upgrades - North Basin 42
37201, University Mound Reservoir Upgrades - North Basin 43
Support Projects 43
36302, System Security Upgrades 43
38801, Programmatic Environmental Impact Report 44
38802, Bioregional Habitat Restoration Project 45
38803, Vegetation Restoration of WSIP Construction Sites 45
38804, Long Term Mitigation Endowment 46
39401, Watershed and Environmental Improvement Program 46

Introduction

This document includes updated descriptions for all of the Water System Improvement System (WSIP) regional projects as part of the March 2018 Proposed Revised WSIP to be considered for approval by the San Francisco Public Utilities Commission (SFPUC) on April 10, 2018.

The project descriptions each include the three (3) following sections:

1) The Project Background section discusses the purpose of the project and the Level of Service (LOS) goals the project is designed to achieve;
2) The Description section summarizes the project's major scope elements; and
3) The Scope Refinements section highlights the changes made to the project's scope since publication of the March 2016 Notice of Change to WSIP report.

Note that only seven (7) projects have scope refinements since these descriptions were last published in March 2016. These projects are:

- Project CUW30103: Regional Groundwater Storage and Recovery
- Project CUW37401: Calaveras Dam Replacement Project (Including ACDD which is a subproject to Calaveras Dam Replacement Project)
- Project CUW39401: Watershed and Environmental Improvement Program
- Project CUW39601: WSIP Closeout - San Joaquin
- Project CUW39602: WSIP Closeout – Sunol Valley
- Project CUW39603: WSIP Closeout – Bay Division
- Project CUW39604: WSIP Closeout – Peninsula

San Joaquin Region

36401, Lawrence Livermore Water Quality Improvement

Background

This project is provided in response to the Water Quality LOS goals. Water services to the Lawrence Livermore National Laboratory are located at the Thomas Shaft and Mocho Shaft on the Coast Range Tunnel. At the Thomas Shaft, water does not reliably comply with either current or anticipated disinfection requirements. This will be the case even after completion of the Tesla Treatment Facility Project. However, water from the Mocho Shaft will meet current and anticipated standards after completion of the Tesla Treatment Facility Project. The purpose of this project is to provide facilities at Thomas Shaft to reliably disinfect the water and ensure compliance at both service locations.

Description

The project consists of:

- Ultraviolet (UV) disinfection, including two (2) 150-gallon-per-minute, parallel UV units and ancillary facilities. The units will be installed in the existing Thomas Shaft building.
- Two (2) pumps that will pump water from the Coast Range Tunnel to the new disinfection system.

Scope Refinements

There are no scope refinements to this project.

37301, San Joaquin Pipeline System

Background

The project is provided in response to the Delivery Reliability LOS goals. The San Joaquin Pipeline (SJPL) system spans the San Joaquin Valley, nearly 48 miles, to link the Oakdale Portal of the Foothill Tunnel to the Tesla Portal of the Coast Range Tunnel. The system includes three (3) large-diameter pipes that range in age from 43 to 79 years. The original 300 million gallons per day (mgd) design capacity of the system has decreased due, in part, to general deterioration of pipe linings. Also, as the system is now configured, shutdowns for inspection or maintenance require that an entire length of pipeline be removed from service, which greatly reduces the system's hydraulic capacity. The purposes of this project are to reduce the outage time and lost capacity associated with having to take an entire length of pipe out of service, and to increase the design capacity of the SJPL system to 313 mgd.

Description

This project consists of:

- Pipeline crossover facilities at Emery Road (including 10 valves) and Pelican Road (including 12 valves).
- Installation of a portion of new pipeline, the Western Segment, from the San Joaquin River to the Tesla Portal. The pipeline will be 78-inches in diameter, approximately 10.3 miles in

length and will include tunneled crossings of several highways, railroads, and irrigation canals. The pipeline will cross over the top of the California Aqueduct.

- Installation of a portion of new pipeline, the Eastern Segment, from the Oakdale Portal to a new connection point approximately 6.7 miles downstream on SJPL No. 3. This segment will also be 78-inches in diameter.
- Installation of valve facilities on SJPL Nos. 3 and 4 along the Eastern Segment to provide for operational needs to divide and isolate segments of these lines for maintenance and to regulate flow and control pressure in the system.
- Security-related site improvements at Oakdale Portal.

Scope Refinements
There are no scope refinements to this project.

37302, Rehabilitation of Existing San Joaquin Pipelines

Background
This project is provided in response to the Delivery Reliability LOS goals. The three (3) existing SJPLs are each approximately 48 miles long and range in age and size from 43 to 79 years old, and 56 to 78-inches diameter. Due to the age of the system, certain segments are experiencing deterioration that will likely result in increased unplanned outages, potentially impacting overall system reliability. The purpose of this project is to establish a program of intensified condition assessment, monitoring, and rehabilitation that will increase reliability and minimize unplanned outages.

Description
The project scope is to assure that existing San Joaquin Pipelines will meet Delivery Reliability LOS goals by establishing a program of routine maintenance, repair and replacement activities for long-term implementation and by addressing the highest priority rehabilitation measures identified during the timeframe of the WSIP:

- Rehabilitation of and security-related site improvements at the existing Roselle Crossover.
- Establishment of a program of pipelines conditions assessment, including upgrading and renewal as required, of pipe coating and lining systems.
- Upgrade of the existing SJPL cathodic protection system.
- Upgrade of the existing SJPL Supervisory Control and Data Acquisition (SCADA) system.

Scope Refinements
- There are no scope refinements to this project.

38401, Tesla Treatment Facility

Background

This project, which is a combination of the originally identified Tesla Portal Disinfection Facility Project and the Advanced Disinfection Project, is provided in response to the Water Quality, Seismic Reliability and Delivery Reliability LOS goals. Planning studies have determined that the advanced disinfection facilities should be constructed at the Tesla Portal site. Facilities for advanced disinfection to comply with the United States Environmental Protection Agency's Long Term 2 Enhanced Surface Water Treatment Rule must be implemented by April 2012. The Tesla Treatment Facility Project will ensure compliance by providing a new 315 mgd treatment facility using ultra-violet (UV) disinfection and new chemical feed facilities. The new chemical storage and feed facilities will replace the functions of the existing Tesla Portal Disinfection Facility, eliminating the need to rehabilitate that facility.

Description

The project consists of:

- Isolation valves and piping to divert SJPL flow to the new treatment facility, large-diameter piping and valves located within the treatment facilities, and a single discharge pipeline to tie back into the existing SJPLs.
- A disinfection building housing 12 UV reactors, cleaning equipment, and ancillary equipment.
- A chemical storage and feed building for sodium hypochlorite, hydrofluosilicic acid (i.e., fluoride), and carbon dioxide.
- Office, laboratory, and control facilities, emergency engine generators, and security-related site and access road improvements.

Scope Refinements

There are no scope refinements to this project.

SJI, WSIP Closeout – San Joaquin Region

Background

A new WSIP Closeout Project for the San Joaquin Region was added in the March 2016 Revised WSIP in response to miscellaneous identified needs and/or improvements that are needed to supplement the scope of WSIP regional projects to ensure that WSIP Level of Service (LOS) goals are fully achieved. The scopes of work of the individual sub-projects that are included within the WSIP Closeout Project for the San Joaquin Region are described below.

Description

- **Supplemental Solar Panel Installations** – The CUW37301 San Joaquin Pipeline System, including the western segment, eastern segment and facilities, and crossover pipeline projects achieved final completion in 2013, 2014 and 2015, respectively. During the initial course of operations, it was noted the solar panel arrays designed to provide power for the facility equipment were not sufficient to meet all modes of operational demands. This sub-project will provide additional solar panels to cover power shortfalls

and allow the facility to better meet its water delivery reliability LOS goal. This sub-project consists of three (3) job order contracts at three (3) sites: Oakdale, Knight Ferry Throttling Station, and San Joaquin Junction No. 4. The scope of work as noted in the March 2016 Notice of Change includes:

- Minor site preparation and grading work
- Furnishing and installing new supplemental solar arrays mounted on concrete pads within security fence enclosures
- Connections and integration of the new solar panels into the existing power system and controls
- Installation of batteries for solar power storage on-site
- Minor site preparation and grading work

- **Tesla Portal Facility Interior Floor Slab** – The Tesla Portal Facility, a sub-project of the CUW38401 Tesla Treatment Facility, was completed in January 2015. During construction, the concrete interior floor slab was deleted from the project construction documents to allow easier access to repair corrosion of the existing pipelines discovered during construction beneath the new Tesla Portal Facility. Due to drainage issues at the site, the Operations staff at the facility has now requested the interior slab be incorporated into the structure with a small access opening for future maintenance and corrosion repairs of the existing buried pipelines. As noted in the March 2016 Notice of Change, this sub-project will be constructed through use of a job order contract including:
  - A new interior concrete slab slope to drain to a new catch basin
  - A new catch basin with grating and sump
  - A small sump pump and drain through the slab or existing concrete wall to a discharge point

Scope Refinements

Supplemental Solar Panel Installations – This sub-project was originally scoped to provide additional solar panels to cover power shortfalls observed under certain operational conditions. Since the March 2016 Revised WSIP was approved, the Hetch Hetchy Water and Power (HHWP) Division installed new microwave towers at Oakdale, Knight Ferry Throttling Station, and San Joaquin Junction No. 4 in the summer of 2016. These towers have cast additional shadows on the existing solar panels, which further reduced the power generated from these arrays. The proposed scope refinements are to re-evaluate the existing photo-voltaic systems at these three (3) locations before proceeding with modifications to the existing arrays. The results could potentially require an increase in power output at each of the sites.

Sunol Valley Region

35201, Alameda Creek Recapture Project

Background

The Alameda Creek Recapture (ACR) Project, formerly known as Upper Alameda Creek Filter Gallery (UACFG) project is provided in response to the Water Supply LOS goals. The purpose of this project is to recapture water diverted from Calaveras Reservoir or bypassed around Alameda Creek Diversion Dam for fisheries habitat enhancement in Alameda Creek and return it to the SFPUC water system through facilities in the Sunol Valley. The original project involved

recapturing water released from the upstream dams via use of an in-stream infiltration gallery that would allow the water to flow by gravity to a new pump station, thereby returning the water to the SFPUC system. The re-scoped project (March 2013) is being planned to recapture water that naturally infiltrates from Alameda Creek into an existing quarry pond. A new pump station and pipeline would be constructed to return flows captured in the pond to the SFPUC system.

Description

The planned facilities for this project are based on Alternative 4-1 from the Updated Alternatives Analysis Report (AAR) dated January 30, 2009, with some refinements described below. The planned facilities include the following components: four (4) identical vertical turbine pumps mounted on floating barges located in existing Pond F2 (including a mooring system); four (4) flexible discharge pipelines extending from each pump to a new pipe manifold located on shore; approximately 100-feet of 36-inch pipeline connection between the new pipe manifold and the existing Sunol Pipeline to discharge the recaptured water to the SFPUC system; throttling valves and a flow meter; electrical control building; 1,600 feet of power lines from the existing Hetch Hetchy Water & Power Calaveras Electrical Substation installed on 10 new power poles; and general site improvements. In addition, the scope includes conveyance of the water to various existing storage sites within the Sunol Valley or the Sunol Valley Water Treatment Plant, as necessary.

Scope Refinements

There are no scope refinements to this project.

35501, Standby Power Facilities – Various Locations

Background

The project is provided in response to both the Seismic Reliability and Delivery Reliability LOS goals. The project provides for standby power at six (6) critical facilities to allow these facilities to remain in operation during power outages and other emergencies.

Description

Standby power requirements are provided at six (6) sites in the East Bay and on the Peninsula. Each site is either provided with an emergency generator or the electrical receptacles to accommodate a portable emergency generator.

The facilities at the six (6) sites include:

- Alameda West Portal: standby power improvements include installing a permanent 20-kilowatt (kW) emergency generator in a sound-attenuated masonry wall enclosure.
- San Antonio Reservoir and Dam: standby power improvements include providing electrical receptacles for a portable 37-kW emergency generator at two (2) locations.
- Harry Tracy Water Treatment Plant (HTWTP): standby power improvements include removing the four (4) existing, smaller emergency generators and providing two (2) permanently installed 2-megawatt (MW) emergency generators.
- Millbrae Yard: standby power improvements include replacing the existing emergency generator with a permanently installed 300-kW unit to enable this facility to function as an emergency operations center.

- San Pedro Valve Lot: standby power improvements include installing a permanent 20-kW emergency generator in a sound-attenuated masonry wall enclosure.
- Capuchino Valve Lot: standby power improvements include providing an electrical receptacle for a portable 30-kW engine generator.
- The project will also provide the trailer mounted engine generator that will be stored at the Millbrae Yard.

Scope Refinements
There are no scope refinements to this project.

35901, New Irvington Tunnel

Background
This project is provided in response to both the Seismic Reliability and Delivery Reliability LOS goals. Unlike the other transmission facilities upstream of the Alameda East Portal which transmit water only from Hetch Hetchy, the existing Irvington Tunnel carries water from two (2) supply sources: Hetch Hetchy and the SVWTP. The tunnel cannot be taken out of service for inspection or maintenance without severely reducing delivery of water to customers. Additionally the Irvington Tunnel is located close to both the seismically active Hayward and Calaveras Fault Zones. The New Irvington Tunnel (NIT) provides a redundant tunnel and new seismically reinforced Alameda West and Irvington Portals.

Description
The NIT alignment will be located just to the south of the existing tunnel. It will be 18,660 feet long and have a horseshoe shape with excavated dimensions of approximately 13 feet by 14 feet. The final tunnel lining will be mortar-lined, welded steel pipe, resulting in a finished diameter of 8.5 feet. Extra thick steel liner segments will also be used at low cover areas near the portals and beneath Interstate 680, and where it intersects inactive fault zones or in locations of poor ground conditions.

The NIT project is currently in construction and approximately 99% complete. Major project elements are listed below.

- Conventional mining methods were used for excavation in a westward direction from the Alameda West Portal, in both an eastward and westward direction from an intermediate shaft located near Vargas Road, just off Interstate 680, and in an eastward direction from Irvington Portal. Tunneling was completed by multiple road header tunneling machines, and limited, controlled detonation in areas of hard rock. Spoils disposal was taken to fill sites just north of the San Antonio Pump Station (SAPS) near the intersection of Calaveras Road and Interstate 680. The completed spoils fills will create a visual barrier to new quarry operation located near Calaveras Road. Potentially contaminated spoils were screened, separated, and if found to contain contaminants, hauled to a permitted landfill.
- At the Irvington Portal, tunnel connections were made to Bay Division Pipeline (BDPL) Nos. 1, 2, and 5 and to BDPL Nos. 3 and 4. Control valves were directly buried with instrumentation and electrical gear in a small control building. At the Alameda West Portal, the tunnel was connected to the discharge of the new mixing manifold to be constructed as part of the Alameda Siphons # 4 Project and to the existing overflow shaft. The project includes a new isolation valve between the mixing manifold and the portal.

- A new access bridge was constructed across Alameda Creek to accommodate temporary construction traffic and on-going SFPUC Alameda West Portal operations.
- A Groundwater Management Program was developed that includes two (2) years of pre-construction monitoring of wells, springs, creeks, ponds, and wetlands; environmental habitat construction mitigation measures; and two (2) years of monitoring after construction to minimize the impact to the local groundwater.
- At both the existing Irvington and Alameda West Portal facilities, other security-related site improvements were constructed, including undergrounding of portal structures and new card access controlled gates and security fences.
- In the March 2014 Notice of Change, simplifications were made to the design of the new security structure for the existing Alameda West Portal. The design changes included a more secure structure with a smaller footprint and removal of pipe manifolds that will no longer be in service.

Scope Refinements
There are no new scope refinements to this project.

35902, Alameda Siphon #4

Background
This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The three (3) existing Alameda Siphons extend approximately 3,000 feet across the Sunol Valley. They cross the Calaveras Fault and are vulnerable to a major earthquake on that fault. The primary purpose of this project is to provide a seismically reliable pipeline that will withstand a major earthquake on the Calaveras Fault.

Description
The Alameda Siphon #4 Project extends approximately 3,000 feet from the Alameda East Portal across both the Calaveras Fault and Alameda Creek to the Alameda West Portal.

The project primarily consists of:

- A 66-inch-diameter welded steel pipeline with 310 feet of special trench design and thicker-walled pipe in the fault rupture zone, and a tunneled crossing of Alameda Creek.
- A 96-inch-diameter "blending structure" consisting of a pipe and valve manifold near the Alameda West Portal that will blend SVWTP and Hetch Hetchy water so that the existing and new Irvington Tunnels will receive a uniform quality of water.
- New isolation/throttling valves on Alameda Siphons No. 3 and 4 and new isolation valves on Alameda Siphons No. 1 and 2. The valves will be installed upstream of the blending structure.
- Ventilation improvements at Alameda East Portal for the Coast Range Tunnel required for construction access.
- New chemical injection facilities on Alameda Siphon No. 4.

- Relocation and extension of the existing overflow pipe from the Alameda East Portal about 500 feet to an existing quarry, and site fencing at Alameda East Portal. The overflow to the existing quarry includes a grouted rock riprap channel down the side of the quarry for erosion protection.
- Road improvements at the intersection with Calaveras Road for construction access.

Scope Refinements
There are no scope refinements to this project.

37001, Pipeline Repair and Readiness Improvements

Background
This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. These goals, in part, require that facilities be repaired in the 30 days following a major seismic event to restore the ability to meet system average day demand. The facilities provided in this project are intended to facilitate the repair and replacement of damaged (damage resulting from seismic activity and other causes) sections of the system pipelines.

Description
This project is 100% complete and has been closed out. The project was separated into the three (3) following implementation phases:

- Phase A: Procurement of varied lengths and sizes of welded steel pipe and fittings for stockpiling at new storage facilities at seven (7) locations along the transmission system, west of the Coast Range Tunnel.
- Phase B: Procurement and installation of a pipe rolling machine at the Sunol Yard. The rolling machine, which has the capability to roll pipe sections up to 9 feet in diameter, will be housed in a new building with an emergency power supply.
- Phase C: Development of a pipeline repair prioritization plan, on-call emergency repair procedures and contracts, and mutual assistance agreements.

Scope Refinements
There are no scope refinements to this project.

37401, Calaveras Dam Replacement

Background
This project is provided in response to the Seismic Reliability, Delivery Reliability and Water Supply LOS goals. The dam was originally designed to store up to 96,850 acre-feet of water in the Calaveras Reservoir. Water from the reservoir is treated at the SVWTP before delivery to customers. The California Department of Water Resources Division of Safety of Dams (DSOD) has, however, mandated that the maximum reservoir level be significantly reduced because the dam is located near the active Calaveras Fault and has been determined to be seismically vulnerable. The storage volume associated with the reduced level is approximately 38,100 acre-feet (39% of original capacity). The replacement dam will restore the original reservoir

capacity, and it will be designed such that it can be raised to accommodate a potential reservoir enlargement in the future.

In addition, the Alameda Creek Diversion Dam (ACDD), which diverts water from Alameda Creek to the Calaveras Reservoir, will be modified with a new fish ladder and new flow bypass tunnel and valve to allow for downstream flows below the ACDD. Fish screens will be added at the inlet to the existing Alameda Creek Diversion Tunnel (ACDT), immediately upstream of the ACDD, to prevent entrainment of fish into the tunnel. The bypass flows at ACDD, together with flow releases from new low-flow capacity valves installed at the base of the replacement Calaveras Dam, will provide water downstream of these facilities to support native aquatic resources and future populations of steelhead trout that are being restored to the Alameda Creek Watershed. Fish screens that are compliant with current criteria of the California Department of Fish and Wildlife (CDFW) will also be added on to the existing intake adits of the intake tower at Calaveras Dam.

Description

Project elements primarily include:

- Constructing a new 210-foot-high earth and rock fill dam designed to accommodate a maximum credible earthquake on the Calaveras Fault. The dam will be constructed immediately downstream of the existing dam and will have a crest length of 1,210 feet, a base thickness of 1,180 feet, and a crest thickness of 80 feet. The total volume of the dam will be approximately 2.8 million cubic yards.
- The materials for construction will primarily originate from onsite sources, while surplus excavated material will be placed at disposal sites around the rim of the Calaveras Reservoir, including two (2) in-water disposal sites and several upland disposal sites.
- The existing spillway will be removed, and a new spillway and stilling basin will be constructed. The overflow weir of the new spillway will be 307 feet long. The spillway will vary from 60 to 80 feet wide and will be 1,100 feet long. The stilling basin below the spillway will be 80 feet wide and 155 feet long.
- A new intake tower and shaft will be constructed. The drain line and three (3) adits from the existing facility will be connected to the new shaft. The existing outlet conduit from the tower will be extended 1,250 feet downstream (beneath the replacement dam) and will be equipped with a high capacity fixed-cone discharge valve (relocated from the existing facility) to accommodate water releases from the reservoir. Fish screens will be added to the existing adits of the intake tower.
- The existing dam will largely remain in place. The downstream face will, however, be partially removed and re-graded and a channel will be excavated through the dam to form the approach to the new spillway.
- A new 525-foot long fish ladder and flow bifurcation systems at ACDD will be used in conjunction with new low-flow capacity valves to be added at the base of the replacement Calaveras Dam to provide flows downstream of these facilities to support native aquatic resources and future populations of steelhead trout that are being restored to the Alameda Creek Watershed.
- The fish ladder and a total of four (4) new fish protection screens will be added on the right abutment (looking downstream) of the ACDD. In addition, conveyance pipes will be installed to allow water from Alameda Creek to be delivered to the Calaveras Reservoir via the ACDT.

- Landslide A removal beneath the northern half of the left abutment slope located on the left side of the valley (when looking downstream) as well as other associated changes as previously noted in the March 2013 Notice of Change.
- Landslide B removal within the lower left abutment slope as well as other associated changes as previously noted in the March 2014 Notice of Change.
- Additional slope reinforcement in Borrow Area B and import of offsite rockfill as noted in the March 2016 Notice of Change.
- Repairs to the landslide portion of Calaveras Road and restoration of the West Haul Road as noted in the scope refinements listed below for this March 2018 Notice of Change.
- For the ACDD fish ladder, to address the potential landslide hazard and further protect the fish passage structure, as noted in the scope refinements listed below for this March 2018 Notice of Change, an extension to the contract landslide stabilization wall and an additional reinforced concrete panel wall with tie-backs to reinforce a section of the soil nail wall.

Scope Refinements

After approval of the Calaveras Dam Replacement Project (CDRP) revisions in the March 2016 Revised WSIP, severe and unusual precipitation events occurred between October 2016 and March 2017 that have impacted the project construction schedule. The severe weather triggered landslides on Calaveras Road, which made the road impassable and required that it be shut down for several months. This portion of Calaveras Road is the major access to the construction site and is needed for the import of sands and gravels used to construct the filter and drain zones within the dam embankment as well as the downstream blanket filter and drain zones. In addition, the West Haul Road along the rim of the reservoir was flooded. This impacted the ability to import clay materials used to build the core of the dam from the clay borrow source on the south side of the reservoir. Scope refinements include repairs to the landslide portion of Calaveras Road and restoration of the West Haul Road.

There have been several differing site conditions identified on the Fish Passage Facilities Project at Alameda Creek Division Dam (ACDD), a subproject to the CDRP project, and they are in various phases of completion and negotiation. The largest differing site condition relates to a deep seated landslide in the hillside adjacent to the project site that resulted in an increase in contract scope and costs.

The project geotechnical data report (GDR) indicates multiple shallow landslide deposits and debris-flows along the right abutment and immediately upstream of the existing dam structure. Additionally, it is noted that these geologic features are underlain by large, deep-seated landslides. The GDR provides multiple cross section profiles, interpreting sub-surface geologic conditions that exist. Five (5) known landslides were mapped in the GDR, all of which occur upstream of the existing dam structure. However, two (2) of these known landslides on the right bank have the potential to affect the intake/diversion structure which extends upstream of the dam. The contract drawings include a landslide stabilization wall along a portion of the right abutment to shore these known hazards.

During the installation of a contractor-designed soil nail wall used for excavation support downslope of the landslide stabilization wall, movement was noted in two (2) locations along a previously installed section of the soil nail wall. One of the movement locations is downstream of the existing dam structure, and the other is directly adjacent to the crest of the dam. Four (4) inclinometers were installed along the right abutment, and verification of movement was

recorded. Additionally, the contractor's geotechnical consultant mapped observed geologic contacts during the excavation of the soil nail wall. These newly mapped geologic contacts show a slip plane that extends further downslope than the contract landslide stabilization wall, extending into the soil nail wall.

To address the potential landslide hazard and further protect the fish passage structure, an extension to the contract landslide stabilization wall will be needed, and an additional reinforced concrete panel wall with tie-backs will be needed to reinforce a section of the soil nail wall.

37402, Calaveras Reservoir Upgrades

Background

This project, which was originally included as a sub-project to the Calaveras Dam Replacement Project, is provided in response to the Water Quality LOS goals. As a result of restricted reservoir operating levels, the reservoir experienced algal blooms that can adversely impact raw water quality and subsequently limited the ability of the SVWTP to deliver water of suitable quality. The purpose of the project is to enhance interim operations and improve raw water quality prior to completion of the replacement dam.

Description

The project consists of installing a hypolimnetic oxygenation system and associated cryogenic (oxygen generation) equipment near the dam. The addition of oxygen into the reservoir will limit the negative effects of algal blooms and may promote a healthier fish habitat. The system will continue to be usable following completion of the replacement Calaveras Dam. The project primarily consists of the new cryogenic equipment, two (2) diffuser systems in the reservoir, and miscellaneous site work.

Scope Refinements

There are no scope refinements to this project.

37403, San Antonio Backup Pipeline

Background

This project is provided in response to the Delivery Reliability LOS goals. The purpose of the San Antonio Backup Pipeline (SABPL) is to provide a means of discharging up to 313 mgd of Hetch Hetchy flow that does not meet water quality requirements due to a treatment failure or raw water quality event. This discharge can also be used in the event of an emergency shutdown of the transmission system downstream of the Alameda East Portal. The pipeline allows discharge of the Hetch Hetchy flow while simultaneously pumping water from San Antonio Reservoir to the SVWTP through the existing San Antonio Pipeline (SAPL). This new pipeline will enable the SVWTP to serve 160 mgd of treated local reservoir water while the Hetch Hetchy water is being discharged; since the Calaveras Reservoir supply to the SVWTP is limited to only 90 mgd (San Antonio needs to supply the additional 70 mgd). This function meets the LOS goals for providing average day demand to the system during an unplanned outage of the Hetch Hetchy supply. The SABPL will also serve as a partial redundant facility to the existing SAPL, which is aging and is constructed of PCCP.

Description

The SABPL consists of 6,600 feet of 66-inch-diameter steel pipe and extends from the Alameda Siphons at the SAPS to Sunol quarry, SMP-24, near the intersection of Calaveras Road and San Antonio Creek. There are three (3) tie-in facilities with air gap provisions from the SABPL: one connecting to Alameda Siphon No. 3, a second to the SAPL near SAPS, and a third to the SAPL on the west side of Calaveras Road before the SAPL alignment turns and heads west to quarry SMP-24. The alignment of the SABPL parallels that of the existing SAPL, terminating with a control valve and concrete energy dissipation structure to quarry SMP-24. The project includes new chemical storage, feed and water quality monitoring facilities for de-chlorination and pH adjustment of any discharges through the SABPL, the existing SAPL, and the Alameda East Portal overflow pipe. Water discharged into the SMP-24 quarry pond will be recovered with two submersible pumps and a short section of 24-inch diameter steel pipe which will connect to the existing SAPL to convey water to San Antonio Reservoir. Power to the water recovery pumps will be supplied from the nearby Calaveras Substation, which is owned and operated by Hetch Hetchy Water & Power. Construction of a slurry wall is included around the quarry pond to minimize groundwater intrusion and to ensure slope stability.

Scope Refinements

There are no scope refinements to this project.

38101, SVWTP Expansion & Treated Water Reservoir

Background

This project is provided in response to the Delivery Reliability LOS goals. It includes two major components that were formerly separate projects. The plant expansion, which was originally included in the Additional 40 mgd Treated Water Supply Project, is provided to increase the plant's sustainable capacity (capacity with the largest unit out of service) to 160 mgd to meet the LOS goal that requires delivery of the average day demand during an outage of the Hetch Hetchy supply. The treated water reservoir (TWR), which was originally included in the Sunol Valley Treated Water Reservoir Project, is provided to meet the Water Quality LOS goals and is required in response to a California Department of Public Health compliance order. The project will significantly increase plant sustainable capacity and reliability, and system operational flexibility.

Description

The project primarily consists of:

- The expansion improvements, which increase the sustainable capacity to 160 mgd, include the addition of a new flocculation/sedimentation basin and the retrofit of six (6) of the twelve (12) existing filters. Design of improvements to the remaining six (6) filters was performed under the project, and was included as an optional bid item in the construction contract. As a result, upgrades to all 12 filters were able to be performed under the construction contract, providing an additional factor of safety for reliable and sustainable production of 160 mgd required to meet the LOS goals established for the system.
- A single 17.5-million-gallon (mg) circular TWR which was constructed along with a new 3.5-MG rectangular chlorine contact tank on the northern portion of the existing plant site. Roughly 400,000 cubic yards of excavated material was hauled to a disposal site immediately east of the plant for disposal.

- New chemical storage and feed facilities for disinfection are constructed including sodium hypochlorite and ammonia. New fluoride facilities were also added.
- Construction of approximately 2,700 feet of 78-inch-diameter pipe that connects the new TWR to the existing plant discharge pipeline. This included a tunneled crossing of Alameda Creek.
- Nine (9) existing chemical tanks and associated electrical and instrumentation components were replaced under the construction contract. The existing chemical tanks and the associated electrical and instrumentation had reached the end of their useful life and were in jeopardy of failure.
- Miscellaneous plant improvements include a new emergency generator and improvements to the plant electrical system, substation, electrical panels, and motor control centers; an upgrade of the instrumentation and controls; a new filter washwater recovery basin; improvements to the flow distribution structure and associated facilities; replacement of the plant's existing boiler; improvements to the influent chemical mixing system; and repaving of the existing plant access road.

Scope Refinements
There are no scope refinements to this project.

38601, San Antonio Pump Station Upgrade

Background
This project is provided in response to the Delivery Reliability LOS goals. The SAPS pumps water from the San Antonio Reservoir to the SVWTP when it cannot flow by gravity; and it pumps Hetch Hetchy transmission system water to either the San Antonio Reservoir or the SVWTP when it does not meet water quality standards for delivery or is required for reservoir replenishment. The SAPS is required to have a 160 mgd sustainable capacity including during periods of power outages.

Description
The project consists of:

- Replacement of the three (3) 1,000-horsepower electrical pumps.
- Addition of two (2) 1.5-megawatt emergency generators. The generators are sized to power the three (3) electric pumps.
- Seismic retrofit of the pump station, including reinforcement of the walls, foundation improvements, and connection of the roof to the walls.

Scope Refinements
There are no scope refinements to this project.

SVI, WSIP Closeout – Sunol Region

Background

This WSIP Closeout Project for the Sunol Region was added in the March 2016 Notice of Change in response to miscellaneous identified needs and/or improvements that are needed to supplement the scope of WSIP regional projects to ensure that WSIP Level of Service (LOS) goals are fully achieved. The scopes of work of the individual sub-projects that are included within the WSIP Closeout Project for the Sunol Region are described below.

Description

- **AS4 Carrier Water System Modifications** – The CUW35902 Alameda Siphon No. 4 Project was completed in 2013. Since that time, new facilities that have been brought on-line as well as other changes have occurred in water operations, have resulted in an apparent drop in water pressures and volumes at the Sunol Valley Chloramination Facility. This has reduced the available water needed for the current carrier water system to pump the necessary water treatment chemicals into the system. This new sub-project is designed to resolve the deficiency and allow the facility to better meet its water delivery reliability LOS goal. This sub-project will be constructed by a job order contract including:
    - Modifications of the current chemical injection system of overcome lack of water system pressure and volume
    - New supplemental water facilities, including possible new storage tanks, and monitoring and regulating equipment as needed
    - Plumbing and control connections between the new facilities and the current system

- **Erosion Repair at Pond F3 East** – The completed CUW37403 San Antonio Backup Pipeline Project included drainage improvements on the east side bank of Quarry Pond F3 East. After completion of construction, it was noted that the rock riprap below a 12-inch drainage pipe had eroded away and undermined the downstream section of the pipe. This sub-project will repair the erosion and restore the drainage pipe through a job order contract including:
    - New rockfill on the east back of the quarry pond from the current drain pipe to the toe of the bank
    - Excavation and grading to remove loose bank debris and prepare the subgrade slope to receive new rockfill
    - Extension of the existing drain pipe downslope to the water line of the pond
    - Temporary access improvements at the side bank of the pond for a crane and other equipment to deliver to, and place new rockfill and other materials into, the repair area

- **Sunol Valley Water Treatment Plant Basin 5 Optimization** – The new name of this sub-project is **Sunol Valley Water Treatment Plant Polymer Feed Facility**. The Sunol Valley Water Treatment Plant Expansion and Treated Water Reservoir Project was completed in 2014 and included addition of a new fifth flocculation sedimentation basin (Basin 5) to the existing four (4) basins at the plant. During operations after completion, it was noted that Basin 5 was not able to achieve the optimal water production goal of 40 million gallons per day consistently. This sub-project was originally scoped to change the flocculation aid composition for Basin 5. The proposed March 2018 Notice of Change scope refinement is to build a polymer feed facility that will serve not only Basin

5, but also the four (4) older basins (Basins 1 to 4), to optimize plant water production, and allow this facility to better meet its water quality and delivery reliability LOS goals. The portion of the facility cost attributed to Basin 5 will be funded under the WSIP; the portion of the facility cost attributed to Basins 1 to 4 will be funded under the Water 10-Year Capital Improvement Program. This sub-project will be constructed by a bid contract including:

- Addition of new flocculant aid polymer to Basin 5
- Water testing to develop a range of polymer doses for the range of different water quality expected at the plant
- Construction of new structures and facilities to store, monitor and control the application of the new polymer
- Possible extension of the new polymer to optimize water production from the four (4) older basins

- **Miscellaneous Work at AWP, IVP and SABPL (new sub-project addition in 2018)** – The CUW 35901 New Irvington Tunnel (NIT) was completed in 2017, and the CUW 37403 San Antonio Backup Pipeline (SABPL) was completed in 2016. This subproject will include the following work:

    - Installation of new security doors at Alameda West Portal (AWP) and Irvington Portal (IVP)
    - Installation of new couplings between the valve stem and actuator for the cathodic protection at AWP and IVP
    - Refurbishment of uninterruptible power supply (UPS) and installation of new enclosures for the UPS at AWP and IVP
    - Installation of discharge pipe lateral supports, safety railings, ladder stiffening supports, and sunshades for electrical equipment on SABPL

- **NIT Water Quality Equipment Relocation (new sub-project addition in 2018)** – The CUW35901 New Irvington Tunnel (NIT) project installed new water quality monitoring equipment in an underground vault to monitor water quality on Irvington Portal 2 (IP2). After the equipment was installed, problems were noted that related to safe access and water drainage. This sub-project is to relocate the water quality monitoring equipment to Building B10 for Irvington Portal 1 (IP1), and install a new pump to pump water from Irvington Tunnel 2 (IT2) to Irvington Tunnel 1 (IT1) to provide IT2 water for the water quality monitoring.

- **San Antonio Backup Pipeline Carrier Water System Modifications (new sub-project addition in 2018)** – The CUW37403 San Antonio Back Pipeline was completed in 2016. Since that time, changes in operations have resulted in an apparent drop in water pressure in the carrier water system for two (2) chemicals including Calcium Thiosulfate for dechlorination and Hydrofluorosilicic acid for pH adjustment. The purpose of this sub-project is to modify the carrier water and chemical injection system to ensure the chemicals will be injected properly.

Scope Refinements

- **Erosion Repair at Pond F3 East** –Scope refinements include use of new rockfill rather than grouted riprap for erosion repairs.

- **Sunol Valley Water Treatment Plant Basin 5 Optimization** – The new name of this sub-project is **Sunol Valley Water Treatment Plant Polymer Feed Facility**. This sub-project was originally scoped to change the flocculation aid composition for Basin 5. The proposed scope refinement is to build a polymer feed facility that will serve not only Basin 5, but also the four (4) older basins (Basins 1 to 4), to optimize plant water production, and allow this facility to better meet its water quality and delivery reliability LOS goals. The portion of the facility cost attributed to Basin 5 will be funded under the WSIP; the portion of the facility cost attributed to Basins 1 to 4 will be funded under the Water 10-Year Capital Improvement Program.

- **Miscellaneous Work at AWP, IVP and SABPL** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

- **NIT Water Quality Equipment Relocation** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

- **San Antonio Backup Pipeiine Carrier Water System Modifications** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

Bay Division Region

35301, BDPL Nos. 3 & 4 Crossover/Isolation Valves

Background

This project is provided in response to the Seismic Reliability LOS goals. The project consists of two (2) new crossover/isolation valve vaults located on either side of the Hayward Fault in Fremont. The purpose of the facilities is to automatically and/or remotely be able to shut down flow in either or both pipelines should damage occur as a result of a seismic event or other emergency and to divert flow into one pipeline in the event one survives the earthquake.

Description

The project consists of:

- Two (2) large vaults that are primarily below-ground installations with only the top 30 inches of the structure exposed. Above-ground facilities include security fencing and satellite communication dishes. The vaults are approximately 2,400 feet apart along the BDPL Nos. 3 and 4.
- Each vault includes four (4) mainline isolation valves and a crossover valve. The isolation valves are hydraulically operated, while the crossover valves are electrically operated.
- The existing BDPL No. 3 is a 78-inch-diameter reinforced concrete pipe, and BDPL No. 4 is a 96-inch-diameter PCCP. At each vault, approximately 170 feet of each pipeline will be replaced with welded steel pipe.
- Each facility will be equipped with connections for portable electric generators, and a battery system will provide immediate emergency power to operate the hydraulic system.

- Valve actuators will have remote monitoring and operating capability through the SFPUC SCADA system.

Scope Refinements
There are no scope refinements to this project.

35302, Seismic Upgrade of BDPL Nos. 3 & 4

Background
This project provides a seismically resistant pipeline crossing of the Hayward Fault in response to the Seismic Reliability LOS goals. BDPL Nos. 3 and 4 cross the Hayward Fault near the intersection of Mission Blvd and Interstate 680 (I-680). In fact, one of the traces of the fault intersects the pipelines under I-680. The maximum credible seismic event will cause a strike-slip displacement that will result in probable failure of both pipelines. This project provides a seismically reliable conduit between the two (2) crossover/isolation valve vaults constructed under the BDPL Nos. 3 & 4 Crossover/Isolation Valves Project for transmission of water following a maximum credible seismic event to meet LOS goals.

Description
The existing pipeline fault crossing between the two (2) crossover/isolation valve vaults constructed under the BDPL Nos. 3 & 4 Crossover/Isolation Valves Project is about 2,400 feet in length, and consists of BDPL No. 3, a 78-inch-diameter reinforced concrete cylinder pipe, and BDPL No. 4, a 96-inch-diameter PCCP. These vaults are located east and west of I-680 near the intersection of Mission Boulevard. The current project scope includes replacement of about 2,300 feet of BDPL No. 3. Ongoing investigations have determined that improvements to BDPL No. 4 are also required to facilitate the failure of BDPL No. 4 in a controlled manner that does not cause the failure of BDPL No. 3. It is planned that about 400 feet of the new BDPL No. 3 will cross Trace A under I-680 in an existing oversized corrugated metal pipe; about 300 feet that crosses Trace B under Mission Blvd. will be in a newly constructed concrete vault ("box culvert"); and the remaining new pipeline will be buried. All new construction will be in the SFPUC's existing right-of-way (ROW).

The project primarily consists of:

BDPL No. 3:

- A new 300-foot-long concrete vault will be constructed under Mission Boulevard near the I-680 Interchange where Fault Trace B is located. A new 300-foot segment of 72-inch welded steel BDPL No. 3 will be installed inside the vault. Within the vault and on either end of the fault trace zone, 72-inch-diameter ball joints and slip joints will be installed that will accommodate pipeline displacement during a seismic event.
- For the crossing under I-680 at Trace A, about 400 feet of 78-inch-diameter welded steel pipe will be installed in an existing, unused corrugated metal pipe.
- About 1,450 feet of additional new 78-inch diameter welded steel pipe will connect the existing and new segments between the two (2) vaults, and will be buried.

BDPL No. 4:

- About 400 feet of new 80-inch steel liner will be installed inside BDPL No. 4 at Hayward Fault Trace C.
- BDPL No. 4 will be encased with concrete outside the existing slip joint vault at Hayward Fault Trace B.
- Modifications to the existing slip joint vault will be made including enlarging BDPL No. 4 pipe penetrations in the vault, new drainage systems, new roof panels and adjustments to the existing slip joint.
- Modifications to the existing BDPL No. 3 (to be abandoned in place) to collect and divert water from the area and prevent the undermining of the new BDPL No. 3.
- About 400 feet of new 90-inch diameter welded steel pipe will be installed at Trace A of the Hayward Fault.
- Relocation of the following utilities: two (2) Alameda County Water District water pipelines, one (1) Union Sanitary District sewer pipeline, one (1) conduit of AT&T phone lines, and one (1) six-inch diameter PG&E gas pipeline.

Scope Refinements
There are no scope refinements to this project.

36301, SCADA System – Phase II

Background
This project is provided in response to the Delivery Reliability LOS goals. In addition, the California Department of Public Health mandated improvements to remote monitoring and operating capabilities in a compliance order to the SFPUC. The purpose of this project is to upgrade the SCADA system to allow for system-wide monitoring and control of remote facilities. The upgraded system, as well as additional monitoring and control facilities at several sites, will reduce the risks associated with unplanned outages, improve the efficiency of making planned outages, and generally improve the ability to remotely monitor and control system pressure and flow from a centralized location.

Description
The project primarily consists of:

- Establish a common software platform and migrate all elements to this platform.
- Connect existing flow meters and new pressure transmitters, and provide communication to SCADA master station at five (5) major Bay Area Water Supply and Conservation Agency (BAWSCA) customer sites.
- Install pressure transmitters, perform piping modifications, and provide communication to SCADA master station at seven (7) existing regulating valves in the City of San Francisco distribution system.
- Install new flow and pressure monitoring devices at 23 key locations in the City distribution system.

Scope Refinements
There are no scope refinements to this project.

36801, BDPL Reliability Upgrade – Tunnel

Background
This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. Previously the project included both the tunnel and pipelines at both ends in a single project. The two (2) components were separated because they each represent a significant amount of work that may best be constructed by contractors with different skill sets. The pipeline portion is included in the - BDPL Reliability Upgrade - Pipeline Project. The tunnel links the existing segments of BDPL Nos. 1 and 2 and the future BDPL No. 5 in the East Bay with those on the Peninsula. The existing portions of BDPL Nos. 1 and 2 in this very environmentally sensitive marsh location are a combination of submarine pipe and pipe on a trestle-support (the pipe and the trestle are in a deteriorated condition). The tunnel is being utilized, in part, because construction in the marsh is not environmentally acceptable.

Description
The tunnel extends 5 miles under San Francisco Bay and is adjacent to the marshlands between the vicinity of the Ravenswood Valve Lot and the Newark Valve Lot. The tunnel will be constructed with a Tunnel Boring Machine (TBM). The final tunnel lining will consist of a 9-foot-diameter welded steel pipeline. The tunnel will terminate on each end with vertical shafts and a connection to the BDPL Nos. 1, 2, and 5 piping manifolds. The two (2) piping manifolds are provided under the BDPL Reliability Upgrade - Pipeline Project. The tunnel spoils are anticipated to be used as part of the conversion of adjacent salt ponds to marshland. The portion of the existing BDPL Nos. 1 and 2 that are replaced by the tunnel will be capped on each end and will be abandoned in place.

Two (2) facilities were added to the original scope of work as part of the March 2014 Revised WSIP and are necessary to ensure the project will meet LOS goals:

- SCADA Communications system at Newark Valve Lot - This added scope provides for the installation of a SCADA communications system and integrating such system into the existing water quality monitoring equipment located in the Newark Valve Lot Control Building. The work consists of installing communications equipment, telephone line, wires, conduits, and electrical cabinets.

- 42–inch diameter Bay Division Pipeline No. 2 (BDPL2) Bypass - The supply from the Newark Valve Lot to the City of Hayward is currently being fed from both Bay Division Pipelines (BDPL) No. 1 and No. 2. Upon the completion of the Bay Tunnel Project, Hayward supply will be fed only by BDPL2. BDPL2, built in the mid-1930s, is a mixture of reinforced concrete cylinder pipe and wrought steel pipe. Thus, with the original scope of the Bay Tunnel project, the reliability of the Hayward service line could be reduced when the project is completed. The scope of work for this change provides for the installation 640 lineal feet of new 42-inch diameter welded steel pipe, replacing a portion of BDPL2, thereby increasing the reliability of the Hayward service.

Scope Refinements
There are no scope refinements to this project.

36802, BDPL Reliability Upgrade – Pipeline

Background

This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. This project was originally combined with the BDPL Reliability Upgrade - Tunnel Project. A critical component of the upgrade to the Bay Division transmission system is the addition of this BDPL No. 5. This new large-diameter pipeline to be built parallel to BDPL Nos. 1 and 2 in the SFPUC ROW will provide redundancy and improve seismic reliability to the transmission system. The BDPL No. 5 will include two segments: one in the East Bay and one on the Peninsula, with the new Bay Tunnel linking them.

Description

The project primarily consists of:

- In the East Bay, 7 miles of 72-inch-diameter pipe will be constructed between the Irvington Portal and the Newark Portal of the new Bay Tunnel. On the Peninsula, 9 miles of 60-inch-diameter pipe will be constructed between the Ravenswood Portal of the new Bay Tunnel and the portal of the Pulgas Tunnel.
- A seismically resistant crossing of the Hayward Fault will be constructed. The crossing will include a new crossover valve vault on each side of the fault. The valves will be hydraulically actuated and will include emergency batteries. The pipe between the vaults will be higher strength and will be installed on a special foundation or trench section.
- Isolation valves and an interconnecting pipe manifold will be constructed at each portal of the new Bay Tunnel. The facilities will include new or rehabilitated control buildings with new emergency generators.
- New crossover valves between BDPL Nos. 2 and 5 will be installed at a location in Redwood City. The crossover facility will include a new or rehabilitated control building and connections for a portable emergency generator.
- A new throttling valve will also be added on BDPL No. 5 at the Pulgas Valve Lot. The throttling valve will include a new or rehabilitated control building.
- The project originally included underground concrete vaults for crossover facilities at Newark, Ravenswood, and Redwood City Valve Lots. The current project eliminates the concrete vaults and directly buries the valves with full access to valve actuators at these facilities.

Scope Refinements

There are no scope refinements to this project.

36803, BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2

Background
The project is provided in response to the Delivery Reliability LOS goals. BDPL Nos. 1 and 2 are located above-ground near their crossing with the Bay Area Rapid Transit (BART) system in Fremont and are enclosed in a concrete culvert under the adjacent railroad. The objectives of this project are to reduce the risk of unplanned outages and improve system reliability in conjunction with other development in this area by relocating facilities below-ground.

Description
The project includes relocation of approximately 600 feet of each pipeline (BDPL Nos. 1 and 2) at the BART/railroad crossings. The pipe segments to be relocated will be installed inside new casings that will be placed by the construction contractor doing the other development work in the area. The encased pipes are being installed in accordance with a utility agreement between the City of Fremont and the SFPUC.

Scope Refinements
There are no scope refinements to this project.

38001, BDPL Nos. 3 & 4 Crossovers

Background
This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. BDPL Nos. 3 and 4 extend approximately 34 miles around the south end of San Francisco Bay. While there are currently two (2) isolation/crossover points on these pipelines, the distance between them is approximately 8 miles. This relatively large distance makes it difficult to take segments of pipe out of service for planned inspection and maintenance, and results in a large number of customers that may be impacted by an emergency outage of a pipeline. The purpose of this project is to add three (3) additional isolation/crossover facilities so that the distance between them will be approximately 4 miles, making the system easier to maintain and repair, and increasing the number of customers that would be likely to receive water within 24 hours following a major seismic event.

Description
The three (3) proposed crossover facilities are located near the Guadalupe River in Santa Clara, near Barron Creek in Palo Alto, and near Bear Gulch in Atherton. The facilities include vaults that are largely below-ground, with only the top 30 inches exposed. They are very similar to one another, consisting of four (4) mainline valves and a crossover valve. Emergency engine generators will be included as an optional bid item.

Scope Refinements
There are no scope refinements to this project.

38901, SFPUC/EBMUD Intertie

Background

This project is provided in response to the Delivery Reliability LOS goals. The purpose of the project is to inter-connect the SFPUC and the East Bay Municipal Utility District (EBMUD) systems. The connection uses existing water system piping in the City of Hayward with connections to EBMUD and SFPUC systems on each end. The connection allows up to 30 mgd of water to flow between the two water systems in the event of critical shutdowns for emergency repairs, maintenance and/or construction activities.

Description

The project primarily consists of:

- Providing new 36-inch-diameter piping and valving at the Newark Turnout to provide an additional connection between BDPL Nos. 1 and 2 to the existing City of Hayward system.
- Using the existing City of Hayward system for conveyance and providing six (6) new valves for isolation.
- Providing 1.3 miles of new 36-inch-diameter pipe to connect the City of Hayward system to the EBMUD system and providing a new pump station along this alignment.

Scope Refinements

There are no scope refinements to this project.

39301, BDPL No. 4 Condition Assessment PCCP Sections

Background

This project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. An alternatives analysis and a partial condition assessment of the BDPLs were performed as part of the BDPL Reliability Upgrade - Pipeline Project. The study raised concerns about the two (2) pipeline reaches of BDPL No. 4 that are constructed of PCCP. It is recognized that PCCP has a potential for sudden failures, and the SFPUC has experienced two major failures prior to 2003. The original condition assessment, which included a desktop study and limited field investigations, identified potential for both seismic risks (associated with the gasketed joints) and questionable life expectancy (due to concerns for corrosion of the pre-stressed wires).

Description

This project is 100% complete and has been closed out. This project includes a detailed condition assessment of the two PCCP segments along BDPL No. 4. The first reach of concern (Reach 1) is 8.6 miles long and 96-inches in diameter. The second reach of concern (Reach 4) is 8.0 miles long and 84-inches in diameter. The condition assessment consists of an electromagnetic survey, seismic risk analysis, corrosion survey, visual inspection, and field investigations.

The assessment identified six (6) reaches of pipe (144 feet total out of 16 miles) that are potentially distressed. During initial investigations, the condition of one (1) distressed pipe segment (Pipe 1558) was determined visually to be particularly deteriorated, and immediate emergency repair was recommended. The project funded and completed emergency repair,

using post-tension exterior tendon repair, for this segment. For the other five (5) potentially distressed pipe segments that were identified using electromagnetic survey, and determined to be of lower priority, recommendations were made for future excavation to confirm pipe condition in these areas, and repair if needed. A number of future follow-up investigations were recommended, including monitoring of groundwater acidity for a period of one (1) year in the area of Edgewood Road, and additional excavations of lower priority pipe pieces. Any additional required repairs will be scheduled based on urgency and funded through the Water Enterprise's Repair and Replacement (R&R) Program.

Scope Refinements

There are no scope refinements to this project.

BDP, WSIP Closeout – Bay Division Region

Background

This WSIP Closeout Project for the Bay Division Region was added in March 2016 Notice of Change in response to miscellaneous identified needs and/or improvements that are needed to supplement the scope of WSIP regional projects to ensure that WSIP Level of Service (LOS) goals are fully achieved. The scopes of work of the individual sub-projects that are included within the WSIP Closeout Project for the Bay Division Region are described below.

Description

- **Site Drainage and Pipe Coating Repairs** - This sub-project will focus on providing a drainage system solely within SFPUC's Right-of-Way to address an erosion issue that developed after the construction of the CUW35302 Seismic Upgrades of BDPL Nos. 3 & 4. In addition, this sub-project will include repairs to coatings on the pipe and pipe supports of the Bay Division Pipeline (BDPL) No. 3 to address issues that developed inside the articulated vault after construction was completed. The sub-project includes design, construction, and management of the drainage system work.

- **Bay Tunnel Warranty Inspection and BDPL 1 & 2 EIR Mitigation** – This sub-project advances the planning for a decommissioning study of the existing BDPL Nos. 1 and 2 until such time that the funding for a new Water 10-Year Capital Improvement Project (CIP) to further study mitigation alternatives and pursue removal of the BDPL Nos. 1 and 2 within the Don Edwards San Francisco Bay National Wildlife Refuge becomes available in FY2020-21.

- **Hydro-seeding at Bay Tunnel Project** - Due to the drought conditions and timing of hydro-seeding performed for the Bay Tunnel Project outside of the typical seasonal window, it may not be possible to file the Notice of Termination (NOT) to close out the storm water permit prior to the Bay Tunnel Project closeout date, as the 70% growth take requirement, with less than 10% noxious weeds, may not be achieved by that time. Accordingly, the scope of this sub-project provides for monitoring of the hydro-seeded areas, removal of noxious weeds and potentially re-seeding some of the areas at the tunnel portals in Menlo Park and Newark if the storm water performance objectives are not met.

- **Newark Valve Lot Additional Gravel Placement** - The Bay Tunnel Project design plans call for a portion of the Newark Valve Lot to be landscaped and hydro-seeded. However, based on recent discussions, Operations staff are requesting that gravel be placed in this area since it will be a high traffic area during shutdowns and other maintenance work. Accordingly, this sub-project provides for the purchase and placement of the gravel.

- **Corrosion Protection for Valve E5OU** – The E50U Valve was installed in 2011 as part of the CUW36802 BDPL Reliability Upgrade – Pipeline Project. Immediately prior to the Bay Tunnel Project in-service/commissioning date in early Fall 2015, the Bay Tunnel Contractor completed the flanged connection of the manifold to the existing E50U Valve. However, during the installation and testing of the new flanged connection, the Bay Tunnel Contractor discovered an inconsistency in the corrosion protection isolation system of the existing valve E50U (high corrosion potential). It was decided to not authorize a Change Order to fix the corrosion problem of the E50U Valve at that time due to the risk of potential delays to the Bay Tunnel Project, at high cost, if leaks were to occur after the solution was implemented. Accordingly, this sub-project includes excavating and shoring the area around the valve, and removal of one bolt at a time for testing and replacing of the bolts (if necessary). A gasket will be purchased and may be installed if there are leaks that develop after the bolts are removed, cleaned and replaced. The proposed work on the valve will be done during the shutdown of the Bay Tunnel for warranty inspection in Winter 2016/2017.

- **Ventilation and Sump Pump Systems Installation (new sub-project in 2018)** - This sub-project provides improvements for inspection, monitoring and maintenance associated with the construction of the CUW35302 Seismic Upgrades of BDPL Nos. 3 and 4. The BDPL No. 3 pipe, slip joint, ball joints and pipe supports and seismic monitoring equipment inside the articulated vault require on-going inspection, monitoring and maintenance. The type and frequency of inspection and maintenance were not well defined during the design phase; it is now clear that a fixed ventilation system is required for the BDPL No. 3 vault. Furthermore, the BDPL No. 4 expansion joint vault also requires access for inspection and monitoring; installation of a sump pump is required to remove water from the vault prior to inspections. Accordingly, the scope of this sub-project is to install a fixed ventilation system and a sump pump system to eliminate the need for removing access hatches and installing temporary fans and sump pump prior to accessing the vaults for frequent inspection and maintenance needs.

Scope Refinements

- **Caltrans V-Ditch Across SFPUC Right-of-Way -** The new name of this sub-project is **Site Drainage and Pipe Coating Repairs**. The original scope of this sub-project was to coordinate with Caltrans on an agreement and design for a drainage system across SFPUC ROW between the Caltrans storm-water invert and an open field associated with the construction of the CUW35302 Seismic Upgrades of BDPL Nos. 3 & 4. However, coordination efforts with Caltrans were unsuccessful, so this sub-project now will focus on providing a drainage system solely within SFPUC Right-of-Way. In addition, this sub-project will include repairs to coatings on the pipe and pipe supports of the Bay Division Pipeline (BDPL) No. 3 to address issues that developed inside the articulated vault after construction was completed.

- **Bay Tunnel Warranty Inspection and BDPL 1 & 2 EIR Mitigation** – The original scope of this sub-project included warranty inspection of the new Bay Tunnel and mitigation

required by the Bay Tunnel Environmental Impact Report (EIR) to decommission the existing Bay Division Pipelines (BDPLs) Nos. 1 and 2 by punching holes in the pipe to prevent buoyancy during extreme future high tides and storm events and covering those holes with wire mesh to prevent entrapment of wildlife, and installation of historical panels for public education. Since that time, the SFPUC has established a project under the Water 10-Year Capital Improvement Program (CIP) to further study mitigation alternatives and pursue removal of the BDPL Nos. 1 and 2 within the San Francisco Bay Don Edwards National Wildlife Refuge. Accordingly, the proposed scope refinement for this sub-project is to eliminate the physical work of punching holes in the existing pipelines, and utilize the funding to advance the planning for the decommissioning study until such time that the funding for the new CIP project becomes available in FY2020-21.

- **Ventilation and Sump Pump Systems Installation** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

Peninsula Region

35401, Lower Crystal Springs Dam Improvements

Background

The project is provided in response to the Delivery Reliability and Water Supply LOS goals. The Lower Crystal Springs Reservoir System (Upper and Lower Crystal Springs Reservoirs) is the primary impoundment facility on the San Francisco Peninsula. Water stored in this reservoir is pumped to the San Andreas Reservoir, which subsequently provides raw water to the Harry Tracy Water Treatment Plant (HTWTP). In 1983, the California DSOD dictated that the maximum allowable water surface elevation of the reservoir be lowered by 8 feet because the dam's spillway was inadequate to safely pass a Probable Maximum Flood event. The lower maximum operating elevation reduces the storage capacity of the reservoir by 2.6 billion gallons. The purpose of this project is to make the necessary improvements to the dam so that it can safely pass the Probable Maximum Flood event, thereby allowing the ability to restore the maximum operating elevation of the reservoir.

Description

The project consists of:

- Spillway modifications that include widening the spillway, constructing two (2) bridge piers within the spillway to accommodate rebuilding of a San Mateo County Bridge, removing the existing timber stop-log system, constructing a new weir system within the spillway, installing access cat-walks for operation and maintenance, and eliminating water ponding on top of the dam.
- Parapet wall modifications that include raising the wall that is located on top of the upstream face of the dam and raising the approach walls to the spillway.
- Stilling basin modifications at the base of the spillway that include removing the existing basin, constructing a new larger basin, and adding downstream riprap protection at the toe of the basin.

Scope Refinements

There are no scope refinements to this project.

35601, New Crystal Springs Bypass Tunnel

Background

The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The New Crystal Springs Bypass Tunnel (NCSBT) is being constructed to provide redundancy to the existing Crystal Springs Bypass Pipeline (CSBPL). This pipeline is a critical link in the transmission system, transmitting all of the water from the East Bay to the Peninsula and City of San Francisco. The CSBPL is a PCCP and is located below a hillside along Polhemus Road in the unincorporated area of San Mateo County. The soils in this area are vulnerable to landslides and subject to failure in a major seismic event.

Description

The project consists of:

- A 4,200-foot-long tunnel with an 8-foot-diameter welded steel liner.
- Vertical shafts on each end of the tunnel to accommodate the TBM and future maintenance.
- The southern shaft will include a connection to the existing CSBPL near the north end of the existing Crystal Springs Bypass Tunnel; the existing pipeline has been determined to be seismically reliable in this area.
- The northern shaft of the new tunnel will tie into the southern ends of both the Crystal Springs Pipeline (CSPL) No. 2 and the Sunset Supply Pipeline (SSPL). The connecting segment and tie-in to the SSPL will be provided by this project. However, the connecting segment and a blind flange for CSPL No. 2 will be provided by the Crystal Springs Pipeline No. 2 Replacement Project, and this project will tie into the blind flange. This contractual arrangement is used to prevent two (2) shutdowns of the CSPL No. 2.
- New isolation valves and valve vaults.
- Standby power near valve vault G40.
- The existing pipeline will remain in service to provide redundancy for inspection of the tunnel.

Scope Refinements

There are no scope refinements to this project.

35701, Adit Leak Repair - Crystal Springs/Calaveras

Background

The project is provided in response to the Delivery Reliability LOS goals. The adit structures function as the outlet facilities from the reservoirs; as such they are critical links in the water supply system. The adit structures in the Lower Crystal Springs, Calaveras, and San Antonio Reservoirs have been damaged by leakage. These facilities contain the valves and piping used

to control withdrawal of water from the reservoirs through horizontal tunnels. Leakage into the structures makes access difficult and unsafe and also results in deterioration of equipment. The purpose of this project is to repair the adit structures.

Description
The project consists of:

- Crystal Springs Outlet Tower No. 1: repairing leaks inside the tower, blasting and recoating piping and valves, replacing the roof, structurally retrofitting the access footbridge, and installing a marine hatch at the tower drain.
- Crystal Springs Outlet Tower No. 2: installing a marine hatch at the tower drain.
- Calaveras Outlet Tower: installing a dewatering pump, replacing a deteriorated valve actuator, and providing ladder fall protection.
- San Antonio Outlet Tower: installing a dewatering pump and repairing leaks inside the tower.

Scope Refinements
There are no scope refinements to this project.

36101, Pulgas Balancing - Inlet/Outlet Work

Background
The project is provided in response to the Water Quality and Delivery Reliability LOS goals. Originally this was a single project with multiple phases of work. The phases have subsequently been allocated to separate projects to facilitate construction scheduling and work by contractors with different skill sets. The Pulgas Balancing Reservoir is a 60-mg facility that helps the transmission system meet daily peak demands and dampens fluctuations of the water level in the Pulgas Tunnel. Because of its relatively large size and configuration, the water is not mixed well. The inadequate mixing results in some water remaining in the reservoir significantly longer than other water. This condition tends to degrade water quality.

Description
The project includes new inlet and outlet piping designed to direct the path of the water in such a manner as to promote better mixing. The shutdowns associated with construction of these improvements also provided an opportunity to perform a condition assessment of the reservoir interior that has been used to help identify work associated with the Pulgas Balancing - Structural Rehabilitation & Roof Replacement Project.

Scope Refinements
There are no scope refinements to this project.

36102, Pulgas Balancing - Discharge Channel Modifications

Background
The project is provided in response to the Delivery Reliability LOS goals. As previously noted the original project has been divided into separate projects to facilitate construction. The Pulgas Balancing Reservoir includes a discharge channel to convey water from the transmission

system to the Upper Crystal Springs Reservoir. The channel is over 70 years old, does not have sufficient capacity to accommodate peak flow rates, and is in need of repair.

Description
The discharge channel modifications to be built under this project will accommodate the anticipated maximum flow of 250 mgd. Project components include raising the channel walls, repairing concrete cracks and exposed reinforcing steel, strengthening and interconnecting the channel floor sections, and strengthening the tall tapered wall near the Pulgas Tunnel.

Scope Refinements
There are no scope refinements to this project.

36103, Pulgas Balancing - Structural Rehabilitation & Roof Replacement

Background
The project is provided in response to the Water Quality and Delivery Reliability LOS goals. As previously noted, the original project has been divided into separate projects to facilitate construction. The Pulgas Balancing Reservoir is seismically vulnerable, requires improvements for sanitary protections, and requires general rehabilitation of miscellaneous structural, mechanical and electrical systems. During the shutdown to enable inlet/outlet construction associated with the Pulgas Balancing – Inlet/Outlet Work Project, a general condition assessment was conducted that documented areas of general structural deterioration on the interior of the reservoir.

Description
The project includes structural rehabilitation of the reservoir, which consists of seismic retrofit of the walls, installation of a new steel frame roof, and repairs of concrete cracks and exposed reinforcing steel. The general rehabilitation also includes the installation of a new ventilation system and sampling ports, the replacement of utility piping, and the upgrade of the electrical system.

Scope Refinements
There are no scope refinements to this project.

36105, Pulgas Balancing - Modification of the Existing Dechloramination Facility

Background
The project is provided in response to the Water Quality and Delivery Reliability LOS goals. Water in the transmission system is chloraminated for disinfection and pH adjusted for corrosion control. The Dechloramination Facility removes chlorine and ammonia and adjusts the pH of the drinking water prior to the water being discharged to Upper Crystal Springs Reservoir to maintain compliance with Regional Water Quality Control Board requirements and to reduce nutrient loading to the reservoir. The flow rate of water that is discharged to the reservoir is

affected by the continuing changes in system demand that occur throughout the day. Therefore, the flows through the existing Dechloramination Facility change frequently, causing added complexity to the process control requirements. The facility has experienced difficulty in treatment due to the flow fluctuations and process complexity. This project is intended to, at a minimum, modify the pH and dechlorination systems to provide more reliable compliance with existing regulations.

Description

Improvements to the dechloramination and pH control facilities are necessary to address immediate compliance issues. The modifications are anticipated to primarily be made to the flow measurement and control system, and to the various process control and chemical feed systems. Emphasis will be placed on chlorine removal and pH adjustment first to comply with existing regulations, with consideration towards the interdependent secondary goal of maximizing ammonia removal for nutrient control in the reservoirs. The scope of this project will be refined further as design efforts continue to move forward.

Scope Refinements

There are no scope refinements to this project.

36501, Cross Connection Controls

Background

The project is provided in response to the Water Quality LOS goals. The Cross Connection Controls Project addresses requirements of the California Department of Public Health. Throughout the transmission system there are 304 sites, such as air valves and blow-off points, where potential cross connections exist.

Description

The project consists of providing improvements at the 304 sites identified to address potential cross connections. The work varies from site to site due to specific site conditions. The major work elements typically include:

- Install air gaps at blow-off locations and at air valves
- Install backflow protection devices
- Reconstruct or raise existing vaults
- Install new vault covers
- Replace existing air valves
- Modify, relocate, or remove existing blow-off facilities

Scope refinements

There are no scope refinements to this project.

36601/02/03, Harry Tracy Water Treatment Plant Short-Term Improvements

Background

These three (3) projects are provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The HTWTP treats surface water supplies from the Peninsula reservoirs for delivery to customers in Northern San Mateo County and the City of San Francisco. These projects include process and seismic improvements to the existing coagulation, flocculation, and filtration systems to facilitate the ability to reliably deliver treated water. The work has been divided into three (3) projects to facilitate full-scale performance testing and subsequent construction of the improvements.

Description

The projects consist of:

- CUW36601 (HTWTP Short-Term Improvements - Demo Filters): Retrofit of two (2) filters and full-scale performance demonstration testing (project has been completed).
- CUW36602 (HTWTP Short-Term Improvements - Remaining Filters): Scope of that project combined with Project CUW36602.
- CUW36603 (HTWTP Short-Term Improvements – Coagulation & Flocculation/Remaining Filters):
    - Coagulation improvements that include restoring and improving operation of the pumped-jet flash-mix system, increasing capacity of the flash-mix pumps, providing the pumps with variable speed controls to improve efficiency, providing an automated dilution water system, and reconfiguring the chemical injectors to improve performance.
    - Flocculation improvements that include reconfiguring the baffling system to reduce headloss by widening the channels, adding new mechanical mixers with variable speed controls to improve performance and efficiency, and seismically retrofitting the walkways and basin walls.
    - Filtration modifications to eight (8) of the ten (10) existing filters (two (2) were replaced in Project CUW36601), replacing effluent control valves and backwash supply valves, providing a filter to waste system, installing new underdrains and media, and seismically retrofitting the basin walls.

Scope Refinements

There are no scope refinements to this project.

36701, Harry Tracy Water Treatment Plant Long-Term Improvements

Background

The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals, and also addresses maintaining regulatory compliance in the Water Quality LOS goals. The purpose of the HTWTP Long-Term Improvements Project is to improve delivery reliability and provide seismic upgrades to achieve a sustained capacity of 140 mgd for at least 60 days, and

to provide 140 mgd within 24 hours following a seismic event on the San Andreas Fault. The raw water quality from the Peninsula reservoirs, while typically of very high quality, can vary significantly and may occasionally be relatively poor due to sporadic filter-clogging algae blooms and high turbidity events. Planning studies for this project concluded that the direct filtration process can adequately treat poor raw water quality and meet all water quality requirements, but that the plant capacity may be diminished since the filters clog more rapidly. In order to assure capacity under all raw water quality conditions, implementation of a clarification process was recommended. During the planning process, it was decided that the frequency of occurrence of poor raw water quality events was acceptable to continue employing the direct filtration process, but that new filters should be added to ensure capacity under most water quality conditions. It was acknowledged that the plant may not be capable of achieving a sustained capacity of 140 mgd during some poor raw water quality conditions. The process design associated with this project will employ direct filtration (sedimentation basins are not included upstream of the filters). However, reliability will be added through the addition of new filters.

Description

The project consists of:

- Hydraulic improvements in the various treatment units to reduce headloss and increase capacity.
- Improvements to the disinfection process by upgrading the ozone generation system and backup oxygen supply.
- Expansion of the filtration process capacity by adding five (5) new filters.
- Improvements to the sludge handling system, including the addition of improved thickening and dewatering systems.
- Improvements to the washwater system, including the addition of a second washwater tank, associated equipment and piping.
- Seismic upgrade to all critical process units.
- Electrical upgrade, including a new substation, switchgear, and motor control center. New emergency generators are being provided as part of the Standby Power Facilities - Various Locations Project.
- Interim seismic response improvements, such as automated valves, to minimize seismic hazards until the long-term improvements are complete.
- New 11.0 mg TWR and subsequent abandonment of the existing 6.5 mg and 8.0 mg TWRs.
- New seismically reliable pipelines just east of the existing TWRs.
- Miscellaneous improvements to chemical feed systems, site piping, drainage, and roads.
- Addition of a third 2-megawatt generator set to satisfy emergency power needs of new facilities added as part of the project;
- Replacement of parallel switchgear and motor control center to accommodate addition of third generator set and to provide additional operational flexibility;
- Improvements to plant's recloser to increase reliability of PG&E power to the plant;
- Additional seismic anchorage of existing equipment; and
- Hydraulic modifications to coagulation and flocculation basins.

Scope Refinements
There are no scope refinements to this project.

36702, Peninsula Pipelines Seismic Upgrade

Background
This project was created in response to Seismic Reliability LOS goals. The San Andreas Pipeline No. 2 (SAPL2), San Andreas Pipeline No. 3 (SAPL3), and Sunset Supply Branch Pipelines (SSBPL) are three (3) drinking water transmission pipelines that deliver water from the HTWTP to customers within the Regional Water System and City and County of San Francisco. Portions of these pipelines traverse the Serra Fault, a "secondary" fault along the peninsula in San Mateo County that may experience fault rupture during a large seismic event on the San Andreas Fault. During geotechnical investigations performed for the HTWTP Long-Term Improvement Project, it was determined that fault offset on the Serra Fault during a design San Andreas event may be capable of causing pipeline failure at the fault crossings. Failure of these pipelines may prevent delivery of water required to meet post-seismic LOS goals.

Description
The scope of this project includes geotechnical investigations to characterize the Serra Fault in the vicinity of the pipelines and to confirm assumptions about sub-surface conditions along the length of the pipelines (SAPL2 and SAPL3 from HTWTP to San Pedro Valve Lot, SSBPL from HTWTP to Capuchino Valve Lot, and Sunset Supply Pipeline (SSPL) from Capuchino Valve Lot to San Pedro Valve Lot). In addition, hydraulic modeling has been performed to review system/facility requirements to meet system goals. The objectives of the investigations were: 1) to determine the potential fault offset at the Serra Fault crossings and the potential response from the three (3) pipelines to these offsets, and 2) to determine potential for pipeline rupture due to displacement from liquefaction, landslides, and other seismically-triggered hazards along the pipeline alignments.

The extensive geotechnical and modeling analyses performed to date have been carefully reviewed to identify specific project recommendations. The refined project scope currently includes the following components:

The refined project scope (Phase 1) currently includes the following components at five (5) locations on the San Francisco Peninsula to address Serra Fault Crossing locations and liquefaction hazard potential in the Colma Creek area:

- Colma Site – Replacement of an approximately 700-ft segment of SAPL2
- South San Francisco Site – Replacement of an approximately 720-ft segment of SAPL2
- San Bruno North Site – Stabilization of SAPL2 where it extends through a tunnel
- San Bruno South Site – Replacement of an approximately 1,170-ft segment of SAPL2 and an approximately 1,050-ft segment of SAPL3; and
- Millbrae Site – Replacement of an approximately 900-ft segment of SSBPL

A common staging area is planned to be located at SFPUC Baden Valve Lot in South San Francisco on El Camino Real.

Phase 2 of the project will include installation of two (2) new isolation valves near the Baden Valve Lot on SAPL No. 2 and No. 3 in the City of South San Francisco.

The WSIP construction contract will include both Phases 1 and 2.

Phase 3 has been identified as a non-WSIP project, and includes condition assessment and improvements to SAPL2, installation of new isolation valves, and the potential addition of flexible connections along the alignment within the City of San Francisco.

Scope Refinements
There are no scope refinements to this project.

36901, Capuchino Valve Lot Improvements

Background
The project is provided in response to the Delivery Reliability LOS goals. The Capuchino Valve Lot is a pressure reducing station that allows water to flow from the HTWTP high-pressure zone to the low-pressure supply zone. The station includes two (2) pressure-reducing valves located in a vault.

Description
This project is 100% complete and has been closed out. The project primarily consists of replacing two (2) existing isolation valves; providing new electric actuators for valve operation; performing concrete crack repair to prevent water leakage into the vault; providing new instrumentation and control systems for valve operation and pressure monitoring; and relocating the existing electrical and instrumentation systems outside the vault.

Scope Refinements
There are no scope refinements to this project.

37101, Crystal Springs/San Andreas Transmission System Upgrade

Background
The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The project includes all facilities necessary to move water from the Upper Crystal Springs Reservoir, through the Lower Crystal Springs Reservoir to San Andreas Reservoir and, ultimately, to the HTWTP Raw Water Pump Station. All of these facilities are located in very close proximity to the San Andreas Fault. The purpose of the project is to improve system reliability so that raw water will be supplied to the HTWTP as necessary to meet its sustainable capacity requirements.

Description
Improvements will be made to the Upper Crystal Springs Dam discharge culverts, the Lower Crystal Springs outlet structures, the Crystal Springs Pump Station (CSPS), the CSSA Pipeline, and the San Andreas outlet structures.

The project primarily consists of:

- The Upper Crystal Springs Dam includes two (2) discharge culverts. During geotechnical investigations, it was confirmed that the lower culvert crosses the 1906 San Andreas Fault. Improvements will be made to the lower culvert to ensure its operation following a San Andreas Event. This will involve lining the culvert to provide operational and seismic protection and providing a second discharge riser on the east side of the San Andreas Fault.
- The Lower Crystal Springs Outlet Structures Nos. 1 and 2 improvements include removal of all equipment from the outlet towers and installation of new submerged adit valves; removal of the free standing portion of the towers and bridge to address seismic concerns; installation of reliable adit selection system; and installation of fish screens. Additionally, the tunnels and pipe systems leading from the outlet structures to the CSPS will be improved.
- A new CSPS, together with site piping and valving, will be constructed with increased capacity to meet LOS goals and other functionalities, similar to those provided by the existing pump station. Additionally, a new electrical substation; emergency backup electrical generators for emergency demands, yard valves and small auxiliary pump (but not for large pumps); and security-related site improvements will be provided.
- The emergency chlorination system at the existing CSPS will be replaced with a portable chlorination system to provide more reliable response during an emergency.
- The CSSA Pipeline improvements include improvements to the first 800 feet of pipeline (upstream end of pipeline) to provide reliable operation at a higher operating pressure; replacement of the last 1,400 feet of the pipeline (downstream end of pipeline) to address seismic hazards; replacement and refurbishment of all appurtenances and lining to provide a 50-year life and protect against surge and seismic hazards; improvements, installation, and repair to 31 drainages that cross the pipeline alignment; and road improvements to provide access for maintenance and emergency response.
- The San Andreas Reservoir Outlet Structure Nos. 2 and 3 improvements include seismic retrofit to the structures; construction of an approach channel; modifications to the adits; replacement of all equipment in the towers; and installation of emergency isolation valves, reliable adit selection systems, and fish screens.
- The pipe in the tunnel leading from the San Andreas Outlet Structure No. 2 to the raw water pump station at the HTWTP will be replaced with a tunnel liner system.
- The tunnel portal of San Andreas Outlet Structure No. 3 will be retrofitted to protect the pipeline from the Serra Fault crossing.
- The isolation valves at Upper Crystal Springs Dam were removed from the contract per direction from DSOD. The concern was that the installation of these valves would bring the Upper Crystal Springs Dam (Hwy 92) under DSOD's jurisdiction.
- Part of one segment of pipeline from the Crystal Springs Pipeline No. 2 project was added to this contract. This segment runs along the access road to the pump station and was added to avoid conflict between different Contractors.

Scope Refinements

There are no scope refinements to this project.

37801, Crystal Springs Pipeline No. 2 Replacement

Background

The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. Crystal Springs Pipeline (CSPL) No. 2 extends from a point near the CSPS in unincorporated San Mateo County to the University Mound Reservoir in San Francisco. The pipeline is primarily 60-inch-diameter pipe with a 3.2 mile section that is 54-inch-diameter pipe. The purpose of the project is to improve the seismic reliability of the pipeline.

Description

The major project elements consist of:

- Seismic reliability improvements, which include replacing or relocating a total of 1.7 miles of pipe at 12 different locations, sliplining 3.5 miles of pipe, retrofitting pipe bridge pier supports at two (2) creek crossings, providing a new connection at the CSPS, and providing a connecting segment with a blind flange for later connection to the NCSBT. The tie-in to the NCSBT will be performed under the NCSBT Project, eliminating the need for a second shutdown of the CSPL No. 2.
- Installing a new isolation valve near the CSPS area.
- Performing site improvements, including the installing fences and enclosures for exposed facilities, concealing exposed portions of pipe, and painting exposed portions of pipe.
- Upgrading the cathodic protection system along the length of the pipeline.

Scope Refinements

There are no scope refinements to this project.

37901, San Andreas Pipeline No. 3 Installation

Background

The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The existing San Andreas Pipeline No. 3 (SAPL3) extends from the HTWTP to the San Pedro Valve Lot. The original extension of this pipeline to the Merced Manor Reservoir was provided by the Baden-Merced Pipeline. The Baden-Merced Pipeline is out of service and beyond repair. The purpose of this project is to replace the currently abandoned Baden-Merced Pipeline by extending the SAPL3 from the San Pedro Valve Lot in Daly City to the Merced Manor Reservoir in San Francisco.

Description

This project is 100% complete and has been closed out. The major project elements include:

- Installation of 4.4 miles of 36-inch-diameter pipe with three (3) bore-and-jack street crossings along 19th Avenue and John Daly Boulevard.
- Installation of five (5) service connections.
- Installation of one (1) altitude valve at Merced Manor Reservoir, six (6) isolation valves, and a flow meter.

- Installation of a new cathodic protection system.
- Installation of three (3) connections to the San Andreas Pipeline No. 2 (SAPL2).

Scope Refinements
There are no scope refinements to this project.

39101, Baden and San Pedro Valve Lots Improvements

Background
The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. Both of these facilities are critical to the transmission of water in the northern portion of the Peninsula.

Description
The project includes a general mechanical and seismic upgrade of existing facilities and the addition of a pressure-reducing station. Miscellaneous work will also be performed at the Pulgas Pump Station and the Pulgas Tunnel Air Shaft to facilitate moving flow southward through the system at higher pressures than normal.

The major work elements at the various sites primarily include:

- The Baden Valve Lot improvements include installation of a new pressure-reducing valve to allow water to flow from the HTWTP high-pressure zone to the low-pressure supply zone, installation of five (5) new isolation valves, replacement of three (3) existing valves, seismic retrofit of eight (8) existing vaults, replacement of onsite piping segments, replacement of the existing electrical switchgear and transformer, replacement of three (3) pumps, installation of variable frequency drives, and other miscellaneous improvements
- The San Pedro Valve Lot improvements include seismic retrofit of two (2) valve vaults, modification of the electric valve operators, installation of a new air valve, and miscellaneous site drainage improvements
- The Pulgas Pump Station improvements include replacement of one (1) isolation valve
- The Pulgas Tunnel Air Shaft improvements include site work to stabilize slopes

Scope Refinements
There are no scope refinements to this project.

PNI, WSIP Closeout – Peninsula Region

Background
A new WSIP Closeout Project for the Peninsula Region was added in the March 2016 Notice of Change in response to miscellaneous identified needs and/or improvements that are needed to supplement the scope of WSIP regional projects to ensure that WSIP Level of Service (LOS) goals are fully achieved. The scopes of work of the individual sub-projects that are included within the WSIP Closeout Project for the Peninsula Region are described below.

Description

- **LCSD Stilling Basin Modifications & Dissipation Structure Riprap** – This sub-project is provided in response to concerns that fish may be "trapped" in the Lower Crystal Springs Dam (LCSD) stilling basin during low flow summer periods, and that high flow discharges from the new LCSD dissipation structure and potential high water levels in Pool 2 may cause erosion of the bank adjacent to the dissipation structure. The dissipation structure includes 60-inch diameter pipes with a maximum flow of 600 cubic feet per second (cfs) each and two (2) 8-inch diameter pipes with maximum flow of 7 cfs each. During flow testing of the dissipation structure, released water could be observed flowing over the dissipation structure, potentially eroding the bank adjacent to the structure. It was also observed that during summer periods, due to low flow in the channel downstream of the stilling basin, fish trapped in the basin were dying due to warm water temperatures. The purposes of this sub-project are to hydraulically connect the stilling basin with Pool 2 in order to allow fish to escape the basin in summer, and to add rip-rap behind the dissipation structure to prevent erosion. Specifically, this sub-project consists of:
    - A new deeper channel between the dissipation structure and the Pool 2, which would prevent fish from being trapped in the stilling basin
    - Installation of a new SCADA controls to the existing 8-in discharge pipeline and re-routing one (1) line to the stilling basin
    - Installation of additional rip-rap around the dissipation structure
    - Installation of a new 24-inch HDPE pipeline through an existing abandoned 60-inch pipe directed to the stilling basin
    - Coordination and facilitation of access for a piezometer drilling contractor during periods of concurrent work in the stilling basin
    - Addition of tree, shrub, and grass plantings along the creek bank in accordance with the approved re-vegetation plan

- **LCSD Valve H53 / Pipeline Investigation & Fisheries Release Valve** – As stipulated by the US Army Corps of Engineers 404 permit and the associated biological opinion by NOAA's National Marine Fisheries Service (NMFS) covering the SFPUC activities at the Crystal Springs Pump Station (CSPS), the SFPUC is to take measures to protect the threatened Central California Coast (CCC) steelhead present in San Mateo Creek at CSPS site. One measure requires the release of fresh water at a rate of 3 to 17 cubic feet per second (cfs) depending on the season in recorded dry and wet years. This sub-project will utilize modification of an existing pipeline to release the required flows to the LCSD stilling basin feeding San Mateo Creek. Specifically, this sub-project consists of:
    - Condition assessment of the existing 60-in diameter pipeline from Valve H-53 to the stilling basin. In addition, valve H-53 will be exposed and visually inspected to determine its condition, requiring excavation and shoring of a pit approximately 20 feet long by 20 feet wide by 20 feet deep.
    - Depending on the verified condition, viable alternatives, including abandonment of the option to use H-53 pipeline, will be evaluated.
    - The approved option will include a SCADA controlled 12-inch valve installed at the discharge end of the pipeline. Depending on the condition of the pipeline, the approved option may also include repairs to the pipeline lining. Options may also include slip-lining the existing line with a smaller diameter pipeline such as 12 to 24-in diameter flexible polypropylene pipe.
    - Use of a temporary pipeline "line stop" and associated shoring upstream of Valve H-53 to allow for potential installation of a permanent blind flange.
    - Replacement of leaking plug valves that discharge from an existing concrete vault to the stilling basin with new knife gate valves.

- Installation of new flow control valves, isolation valves and appurtenances for Pool 2.
- Connections to the existing 72-inch pipeline using hot taps.
- Construction of a new concrete walkway from the access road to the existing stairs at the flow dissipation structure adjacent to the stilling basin.

- **New Crystal Springs Bypass Tunnel Electrical Modifications** – The New Crystal Springs Bypass Tunnel (CUW35601) was commissioned in July 2011 and the project administratively closed in August 2012. Various inspections of the above ground facilities discovered excessive groundwater intrusion and resultant corrosion of equipment and electrical components. Preliminary inspections identified the following in the South Shaft: groundwater seepage into the venturi meter and valve G32 vaults through pipe/conduit wall penetrations, resulting in coating failure and localized corrosion. In the North Shaft, preliminary investigations identified surface runoff is entering electrical boxes. In addition, groundwater was seeping through wall penetrations into G36 and G38 vaults. Due to the high moisture, some electrical switches and two (2) actuators failed and required replacement. This sub-project developed a thorough documentation of the above ground facilities at the north and south shafts and designed and implemented repairs as warranted. Repairs included replacement of damaged equipment and electrical components, water proofing of the affected vaults, and rechanneling of surface runoff as necessary. This subproject is 100% complete and has been closed out.

- **Closeout of DSOD Permit Applications for LCSDI and CSSA Projects** – California Department of Water Resources, Division of Safety of Dams (DSOD) issued Alteration Permits allowing the start of construction of CUW35401, Lower Crystal Springs Dam Improvements (LCSDI) Project (Application No. 10-6) and the construction of CUW37101, Crystal Springs / San Andreas Transmission Upgrade (CSSA) Project (Application No.10-10). In June 2015, DSOD issued an approval of the completed work and requested the SFPUC to submit the final documentation of each project. Under this sub-project, the following information and documents will be extracted from the project files and submitted in a format acceptable to DSOD: affidavit of actual costs of construction and design; full size as-built drawings stamped and signed by a California registered Civil Engineer; and final concrete testing summary reports.

- **Coordination with San Mateo County Bridge Construction over LCSI** - The implementation of the CUW35401 Lower Crystal Springs Dam Improvement (LCSDI) Project required the demolition of an existing San Mateo County (SMC) Bridge that spanned over the LCSD crest. With the completion of the LCSDI Project, SMC awarded the construction contract for the new bridge and gave notice-to-proceed to the construction contractor in January 2016. To support this, SMC and the SFPUC executed a Memorandum of Understanding outlining the roles and responsibilities and expectations of both organizations. Accordingly, this sub-project will support the coordination between the SFPUC and SMC Bridge Project team. Typical activities may include response to relevant Requests for Information (RFI) such as existing site conditions, existing dam design, coordination with SFPUC Operations and Watershed groups; field inspection of placement of the bridge piers over the dam and the construction of the SFPUC funded catwalk; and attendance of construction meetings

and participating in other activities concerning the water quality in Lower Crystal Springs Reservoir, security measures, and other aspects affecting SFPUC assets.

- **Harry Tracy Water Treatment Plant (HTWTP) Improvements (new sub-project in 2018)** - The Harry Tracy Long-Term Improvements Project (CUW36701) was completed in 2014. Since 2014, the following needs were identified to address construction issues and improve operations at the plant to fully meet the LOS goals and objectives:
    - Automate the 12-inch gate valve at the High Rate Clarifiers' filter to waste manhole to eliminate the need for Operations to manually operate the valve on a frequent basis
    - Modify Sludge Tank No. 1 piping to eliminate cavitation in the washwater pumps
    - Upgrade the filters of three (3) emergency generators from passive filters to active filters to increase the effectiveness of the exhaust filtration and to reduce the need for Operations to constantly clean the filters
    - Repair leaks in the filter gallery channels where stainless steel angle plates were added to support several concrete walls
    - Automate flushing of the sludge transfer pumps and piping to eliminate the need for Operations to manually flush on a frequent basis
    - Replace and relocate failed variable frequency drives (VFDs) for the wash water and sludge transfer pumps to address an over-heating issue
    - Install double containment for the diesel fuel supply lines for the exterior generator to protect against leaks into the environment
    - Provide training and programming modifications to the Raw Water Pump Station switchgear equipment to enable remote SCADA control
    - Install vibration control monitoring system on the electrical panels at the Raw Water Pump Station to replace the existing obsolete system
    - Evaluate/Assess condition of failed mixers in the equalization basin

- **Crystal Springs/San Andreas Pipeline (CSSA) Erosion Repairs (new sub-project in 2018)** - The heavy winter storms of 2017 exacerbated erosion at two (2) watershed culvert locations, OW-13 and OW-18, along the CSSA Pipeline. Erosion has caused the CSSA Pipeline to be exposed and potentially undermined. The scope of this sub-project is to repair the erosion with systems consistent with the requirements of permitting agencies such as the State Water Resources Control Board.

Scope Refinements

- **Lower Crystal Springs Dam (LCSD) Stilling Basin Modifications & Dissipation Structure Riprap** - The following scope refinements are proposed to the original scope of this project:
    - Installation of a new 24-inch HDPE pipeline through an existing abandoned 60-inch pipe directed to the stilling basin
    - Coordination and facilitation of access for a piezometer drilling contractor during periods of concurrent work in the stilling basin
    - Deletion of landscaping around the new Crystal Springs Pump Station
    - Addition of tree, shrub and grass plantings along the creek bank in accordance with the approved re-vegetation plan

- **LCSD Valve H-53 / Pipeline Investigation & Fisheries Release Valve** – The construction contract for this sub-project will be combined with the LCSD Stilling Basin

Modifications & Dissipation Structure Riprap contract. The following scope refinements are proposed to the original scope of this project:

- Use of a temporary pipeline "line stop" and associated shoring upstream of Valve H-53 to allow for potential installation of a permanent blind flange
- Replacement of leaking plug valves that discharge from an existing concrete vault to the stilling basin with new knife gate valves
- Installation of new flow control valves, isolation valves and appurtenances for Pool 2
- Connections to the existing 72-inch pipeline using hot taps
- Construction of a new concrete walkway from the access road to the existing stairs at the flow dissipation structure adjacent to the stilling basin

- **Harry Tracy Water Treatment Plant (HTWTP) Improvements** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

- **Crystal Springs/San Andreas Pipeline (CSSA) Erosion Repairs** – The scope described above is added as a new proposed sub-project as part of the March 2018 Notice of Change.

San Francisco Regional Region

30103, Regional Groundwater Storage and Recovery

Background

The project is provided in response to the Water Supply LOS goals. The purpose of the project is to develop groundwater supply in the South Westside Basin for use during drought conditions. In normal and wet years, the SFPUC will supply supplemental surface water to Daly City, San Bruno, and the California Water Service Company (South San Francisco District) to be used in place of groundwater pumping. The reduced pumping during the normal and wet years will thereby increase the volume of groundwater in storage that can be pumped in dry years.

Description

The original scope of this project included construction of up to 16 groundwater wells with a total capacity of 7.2 mgd. Each of the wells would be connected to one of the following water systems: Daly City, California Water Service Company, San Bruno, or SFPUC. Treatment may be required at some of the wells for the removal of manganese. Additionally, the project includes about 10,000 feet of water distribution piping to make the necessary connections. Scope refinements to the project that are proposed as part of the March 2018 Notice of Change are described below.

Scope Refinements

The original scope of the Regional Groundwater Storage and Recovery (RGSR) project was planned to be constructed in two (2) phases. The original scope of Phase 1 included construction of 13 new deep groundwater wells, and the original scope of Phase 2 included construction of 2 to 3 additional wells, depending upon well yield.

Based on the modelling data inputs and results, it is projected that the 13 new wells constructed in Phase 1 would produce approximately 6.2 mgd of dry year supply over 7.5 years. Operating the RGSR Project during times of drought will provide data and insights into how much water can be reasonably expected to be produced by the project and if additional well stations are needed to reach the desired drought period pumping capacity.

In addition to the need for collecting operational data to determine the pumping capacity of the 13 new wells, the Daly City Recycled Water Expansion Project proposes to serve recycled water to existing irrigated properties (gold courses and cemeteries) in the Colma area for irrigation use. Replacing groundwater with recycled water for irrigation use will decrease or eliminate the cemeteries' use of the aquifer, creating more in lieu storage in the aquifer for water supply use. The SFPUC will identify potential benefits to the aquifer resulting from the Daly City Recycled Water Expansion Project during project planning and design, as well as monitor operation of the project.

Given the considerations noted above, the SFPUC proposes to modify the scope of Phase 2 to install up to three (3) test wells (Ludeman North, Ludeman South, and Centennial Trail), complete the South San Francisco Main well and pipeline, and complete other Phase 1 scope items, including chemical system monitoring, sampling, and storage at various sites. The test wells will allow for determination as to whether the identified sites could be viable production wells, and will provide valuable information related to water quality and potential pumping capacities that can be used for future planning and decision making. The test wells would not be converted to production wells at this time.

Proceeding with these proposed changes to Phase 2 will allow all 13 new Phase 1 RGSR wells to be operated to gain experience and insight into the pumping capacities of each individual well in addition to how the wells work in combination with each other and existing municipal and irrigation wells. Staff will gain valuable experience regarding the relationship of RGSR drought year pumping to the management of the groundwater basin. Operational experience will allow refinement of the modelled dry year water supply yield of the RGSR project.

The proposed changes to RGSR Phase 2 also allows for the collection of test well data at up to 3 locations for use in future planning if the operational experience with the 13 wells shows the need for more pumping capacity. This option also allows for the basin effects of the Daly City Recycled Water Expansion Project to be identified and may provide greater flexibility in the future to utilize the basin for water supply.

35801, Sunset Reservoir Upgrades - North Basin

Background

The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. Sunset Reservoir is one of three (3) terminal reservoirs in the Regional Water System that is located in San Francisco. The reservoir, which was constructed in 1938, is seismically vulnerable and in need of general rehabilitation. This upgrade project will address both areas of need.

Description

This project is 100% complete and has been closed out. The project primarily consists of:

- Seismic rehabilitation, which includes stabilization of the soil dam embankment; a retrofit of the walls and roof using seismic joints, shear walls, diagonal bracing, and struts; and foundation improvements.
- General rehabilitation, which includes repairs of deteriorated concrete, replacement of part of the reservoir lining material, replacement of the inlet piping, installation of security fencing, landscaping upgrades, and other miscellaneous site improvements.

Scope Refinements
There are no scope refinements to this project.

37201, University Mound Reservoir Upgrades - North Basin

Background
The project is 100% complete and has been closed out. The project is provided in response to the Seismic Reliability and Delivery Reliability LOS goals. The University Mound Reservoir is one of three (3) terminal reservoirs of the Regional Water System that is located in San Francisco. The reservoir, which was constructed in 1885, is seismically vulnerable and in need of general rehabilitation. This upgrade project addresses both areas of need.

Description
The project primarily consists of:

- Seismic rehabilitation of the reservoir walls and roof using seismic joints, shear walls, diagonal bracing, and struts and foundation improvements. A geotechnical investigation was conducted that verified that the reservoir embankments are not subject to seismically induced failure.
- General rehabilitation, which includes repairs of deteriorated concrete; replacement of the reservoir lining material; replacement of the inlet/outlet, drain, and overflow piping; replacement of outlet and drain valves; landscaping upgrades and other miscellaneous site improvements.

Scope Refinements
There are no scope refinements to this project.

Support Projects

36302, System Security Upgrades

Background
This project is provided in response to the Delivery Reliability LOS goals. It is being implemented to reduce the risk of unplanned system outages associated with potential breaches of security.

Description
The purpose of this project is to develop and integrate security components at critical water system facilities including those identified in previous vulnerability assessments and to ensure

that security functions such as deterrence, detection, assessment, delay, and response will be effective. As part of this project, SFPUC Security has evaluated all WSIP projects. The project includes the identification of all necessary security components including security fencing, intrusion detection, and vehicle barriers for applicable WSIP projects. The project provides for the necessary planning and design of these facilities, while the individual WSIP projects will fund the installation and construction of civil security work such as conduit lay out, fencing, gate installation. This project will however fund the furnishing and installing Access Control and Alarm Monitoring System (ACAMS) and Digital Video Surveillance System (DVSS) equipment, and necessary security systems.

Scope Refinements
There are no scope refinements to this project.

38801, Programmatic Environmental Impact Report

This project includes the preparation of a Programmatic Environmental Impact Report (PEIR) in compliance with the California Environmental Quality Act (CEQA). The WSIP establishes LOS goals and system performance objectives and includes a number of projects that will improve the Regional Water System in respect to water quality, seismic reliability, delivery reliability, and water supply to meet delivery needs through the year 2030. The PEIR will (1) identify and analyze, at a programmatic level, the potential environmental impacts of proposed system improvements, (2) describe and evaluate feasible alternatives to the proposed program, and (3) propose mitigation measures.

The PEIR was certified by the San Francisco Planning Commission on October 30, 2008. On that same day the SFPUC approved the WSIP Goals and Objectives and adopted the CEQA Findings, including a statement of overriding consideration and the Mitigation Monitoring and Reporting Program (MMRP).

Phased WSIP Variant
At the request of the SFPUC, the San Francisco Planning Department studied the Phased WSIP Variant as part of the environmental analysis. The Phased WSIP Variant establishes a mid-term planning milestone in 2018 when the SFPUC will reevaluate water demands through 2030 in the context of then-current information, analysis and available water resources. The SFPUC currently delivers approximately 265 mgd from local watersheds (Peninsula and Alameda Creek) and the Tuolumne River Watershed. By 2030, demand on the SFPUC system is expected to increase to 300 mgd. The Phased WSIP Variant will meet the 2018 purchase requests of 285 mgd by capping purchases at 265 mgd. The remaining 20 mgd will be met through water conservation, recycling and groundwater use - 10 mgd by wholesale customers and 10 mgd in San Francisco. Before 2018, the SFPUC and its 26 wholesale customers will engage in a new planning process to reevaluate water system demands and supply options, including conducting additional studies and environmental reviews necessary to address water supply needs after 2018.

Scope Refinements
There are no scope refinements to this project.

38802, Bioregional Habitat Restoration Project

The Bioregional Habitat Restoration project was created to provide a coordinated and consolidated approach to compensate for habitat impacts that may result from implementation of the WSIP projects in the San Joaquin, Sunol Valley, Bay Division, and Peninsula Regions of the SFPUC Regional Water System. The previously approved scope of the Bioregional Habitat Restoration project included projects to preserve, enhance, restore, or create approximately 2,350 acres of tidal marsh, vernal pools, white alder riparian forest, sycamore alluvial woodland, arroyo willow riparian habitat, oak woodland and savannah, sage scrub habitat, serpentine grasslands, coastal live oak woodland, annual grasslands, and oak riparian forest.

The project description includes development of compensation sites to preserve, enhance, restore, or create approximately 2,350 acres of tidal marsh, vernal pools, sycamore and oak riparian woodland, oak woodland and savannah, and serpentine and annual grasslands. The project includes design, environmental permitting, construction, construction management, maintenance and performance monitoring during a 3-year plant establishment period.

The wide variety of the types of impacts from WSIP projects resulted in the need for development of 18 compensation sites on SFPUC property and contracting with 7 property owners to secure compensation on property outside the Alameda and Peninsula watersheds. There are 7 compensation sites on SFPUC property in the Alameda watershed with an average size of 250 acres, demonstrating a significant commitment to the continued protection of species habitat. Although the average size of the 11 Peninsula compensation sites is 15 acres, the projects have been strategically placed to best benefit the San Francisco garter snake and the fountain thistle. The increase in habitat compensation addresses the addition of mitigation for the fountain thistle and changes in the Calaveras Dam Replacement Project.

Scope Refinements
There are no scope refinements to this project.

38803, Vegetation Restoration of WSIP Construction Sites

Background
The Vegetation Restoration of WSIP Construction Sites is a WSIP project that received Commission approval on October 9, 2012. This project is required to comply with the CEQA and resource agency permit requirements to restore and re-vegetate habitat areas temporarily impacted by construction at the various WSIP sites to preconstruction condition.

Description
The purpose of this project is to provide maintenance, monitoring and reporting of onsite habitat restoration installed at the various WSIP construction sites after project construction work is completed.

Scope Refinements
There are no scope refinements to this project.

38804, Long Term Mitigation Endowment

Background

The scope of work and budget for this Long Term Mitigation Endowment was previously included and reported within the WSIP Regional project CUW38802 Bioregional Habitat Restoration; however, the office of the City Controller has established a separate project, specific for this endowment fund in project CUW38804 Long Term Mitigation Endowment.

Description

This perpetual endowment fund was requested by the United States Army Corps of Engineers and California Department of Fish and Wildlife to provide a secure source of funds for the perpetual monitoring and maintenance of the Bioregional Habitat Restoration sites constructed in the SFPUC watershed.

Scope Refinements

There are no scope refinements to this project.

39401, Watershed and Environmental Improvement Program

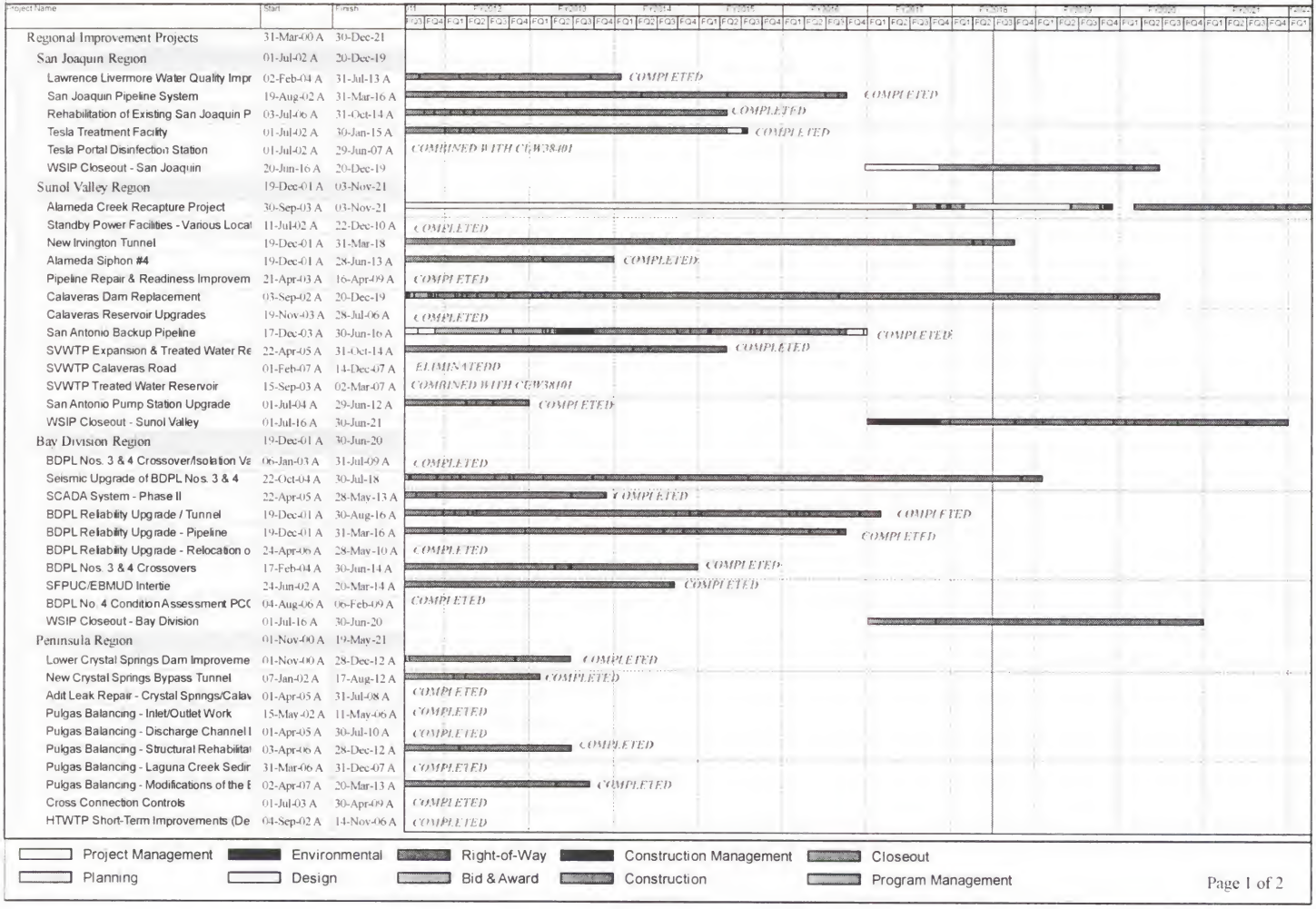
The Watershed and Environmental Improvement Program (WEIP) includes the comprehensive identification and protection of critical watershed lands and ecosystem restoration needs within the hydrologic boundaries of the Alameda Creek, Peninsula (San Mateo and Pilarcitos Creeks) and Tuolumne River watersheds, and prioritizes the protection and/or restoration of these lands. Projects under this program will protect source water quality, native species and their habitat; and identify critical watershed lands for protection by purchasing fee title and/or perpetual conservation easements. The program also supports projects that enhance public awareness and provide education opportunities related to water quality, water supply, conservation, and environmental stewardship issues. These projects include construction of the proposed Alameda Creek Watershed Center and improved public access (e.g., trail connections) compatible with watershed management plans and policies.

Initially, specific projects were identified, including the Repair or Replacement of Niles Gage and Watershed Road Management Plan and Improvements – both in the Alameda Creek watershed. After further research and planning, the program's focus has shifted towards permanently protecting Alameda Creek watershed lands through conservation easements and/or fee title purchase of property from willing landowners and providing education opportunities that will further the goals of the Water Enterprise Environmental Stewardship Policy. Opportunities that are consistent with the WEIP description and purpose in the Peninsula and Tuolumne watersheds will be considered as well.

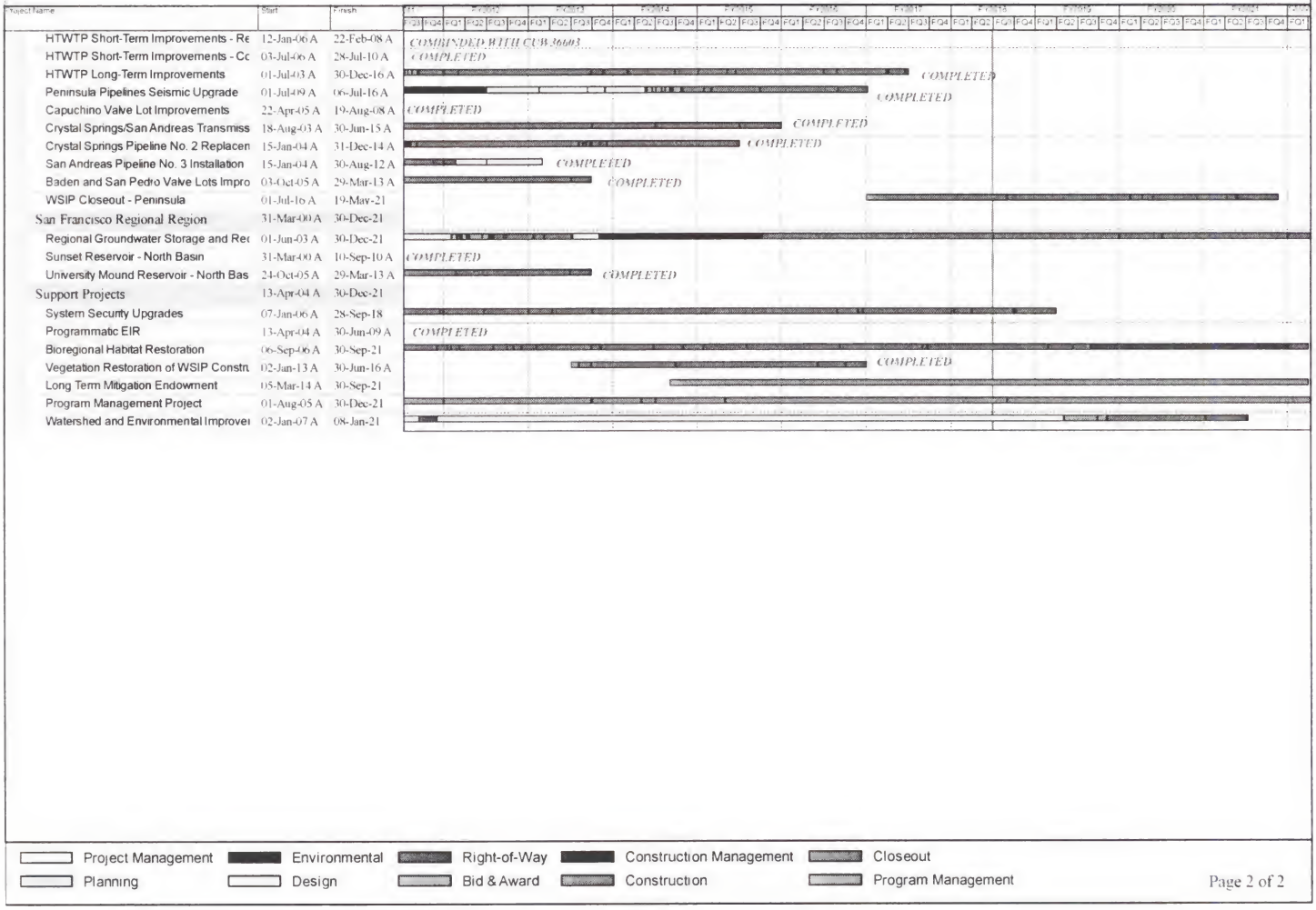
Scope Refinements

Consistent with the SFPUC Water Enterprise Environmental Stewardship Policy, the proposed scope refinement is to allocate a portion of the funding under the WEIP to support projects that enhance public awareness and provide education opportunities related to water quality, water supply, conservation, and environmental stewardship issues. Accordingly, construction of the Southern Skyline Boulevard Ridge Trail Extension will be funded using the remaining WEIP funds.

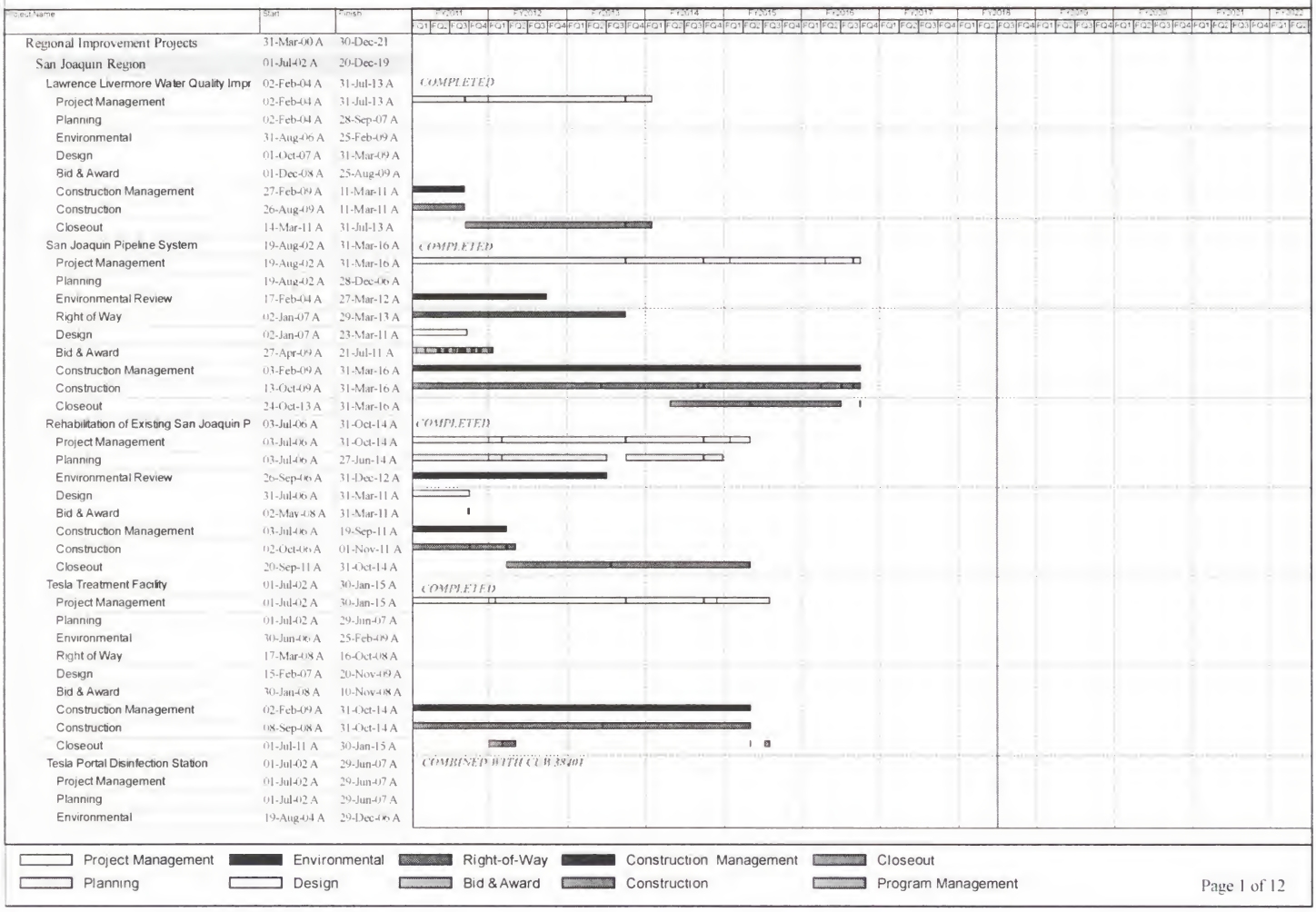
ATTACHMENT 9. March 2018 Revised WSIP - Proposed Project-Level Schedules



ATTACHMENT 9. March 2018 Revised WSIP - Proposed Project-Level Schedules

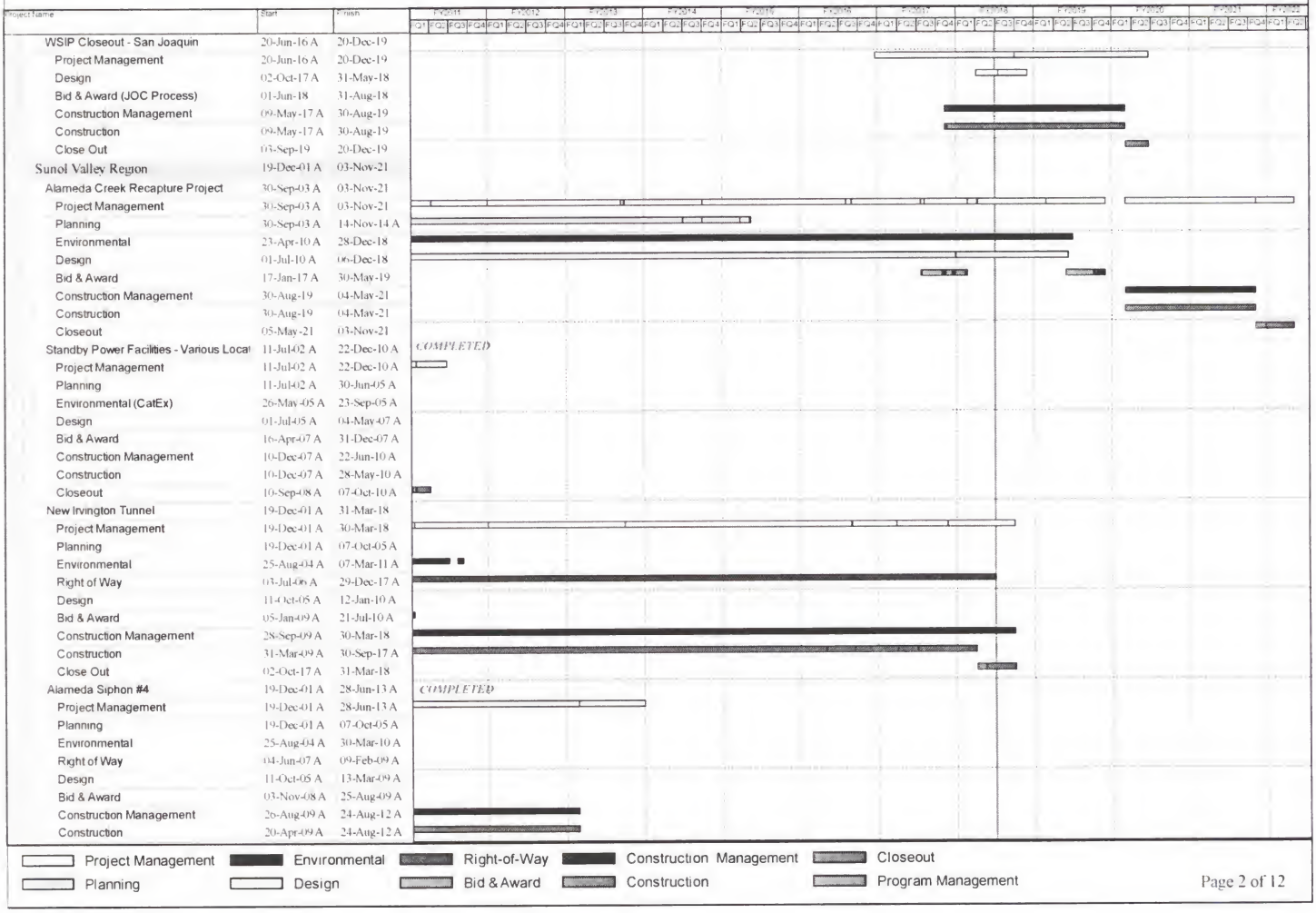


ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules

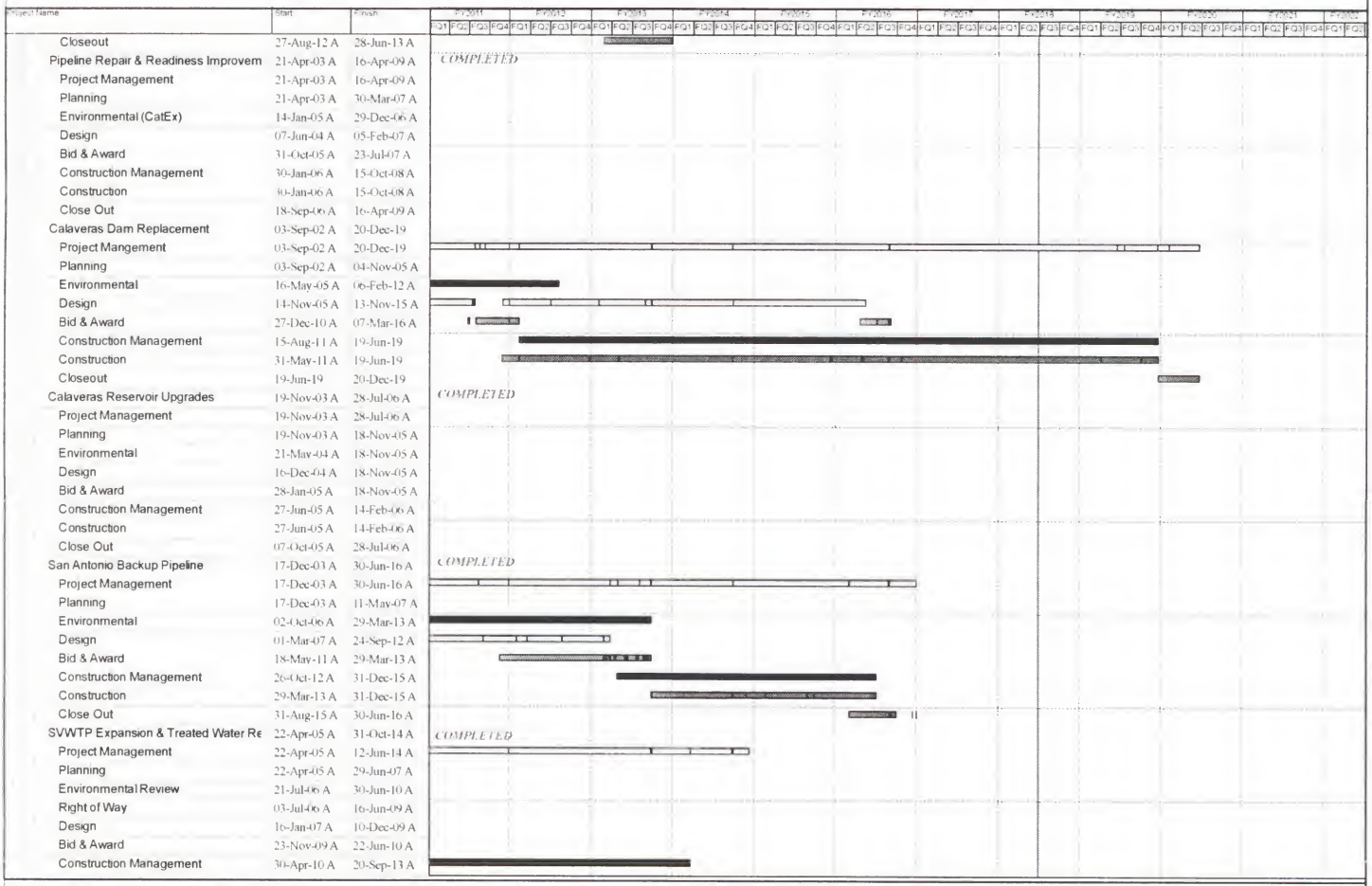


Project Name	Start	Finish
Regional Improvement Projects	31-Mar-00 A	30-Dec-21
San Joaquin Region	01-Jul-02 A	20-Dec-19
Lawrence Livermore Water Quality Impr	02-Feb-04 A	31-Jul-13 A
Project Management	02-Feb-04 A	31-Jul-13 A
Planning	02-Feb-04 A	28-Sep-07 A
Environmental	31-Aug-06 A	25-Feb-09 A
Design	01-Oct-07 A	31-Mar-09 A
Bid & Award	01-Dec-08 A	25-Aug-09 A
Construction Management	27-Feb-09 A	11-Mar-11 A
Construction	26-Aug-09 A	11-Mar-11 A
Closeout	14-Mar-11 A	31-Jul-13 A
San Joaquin Pipeline System	19-Aug-02 A	31-Mar-16 A
Project Management	19-Aug-02 A	31-Mar-16 A
Planning	19-Aug-02 A	28-Dec-06 A
Environmental Review	17-Feb-04 A	27-Mar-12 A
Right of Way	02-Jan-07 A	29-Mar-13 A
Design	02-Jan-07 A	23-Mar-11 A
Bid & Award	27-Apr-09 A	21-Jul-11 A
Construction Management	03-Feb-09 A	31-Mar-16 A
Construction	13-Oct-09 A	31-Mar-16 A
Closeout	24-Oct-13 A	31-Mar-16 A
Rehabilitation of Existing San Joaquin P	03-Jul-06 A	31-Oct-14 A
Project Management	03-Jul-06 A	31-Oct-14 A
Planning	03-Jul-06 A	27-Jun-14 A
Environmental Review	26-Sep-06 A	31-Dec-12 A
Design	31-Jul-06 A	31-Mar-11 A
Bid & Award	02-May-08 A	31-Mar-11 A
Construction Management	03-Jul-06 A	19-Sep-11 A
Construction	02-Oct-06 A	01-Nov-11 A
Closeout	20-Sep-11 A	31-Oct-14 A
Tesla Treatment Facility	01-Jul-02 A	30-Jan-15 A
Project Management	01-Jul-02 A	30-Jan-15 A
Planning	01-Jul-02 A	29-Jun-07 A
Environmental	30-Jun-06 A	25-Feb-09 A
Right of Way	17-Mar-08 A	16-Oct-08 A
Design	15-Feb-07 A	20-Nov-09 A
Bid & Award	30-Jan-08 A	10-Nov-08 A
Construction Management	02-Feb-09 A	31-Oct-14 A
Construction	08-Sep-08 A	31-Oct-14 A
Closeout	01-Jul-11 A	30-Jan-15 A
Tesla Portal Disinfection Station	01-Jul-02 A	29-Jun-07 A
Project Management	01-Jul-02 A	29-Jun-07 A
Planning	01-Jul-02 A	29-Jun-07 A
Environmental	19-Aug-04 A	29-Dec-06 A

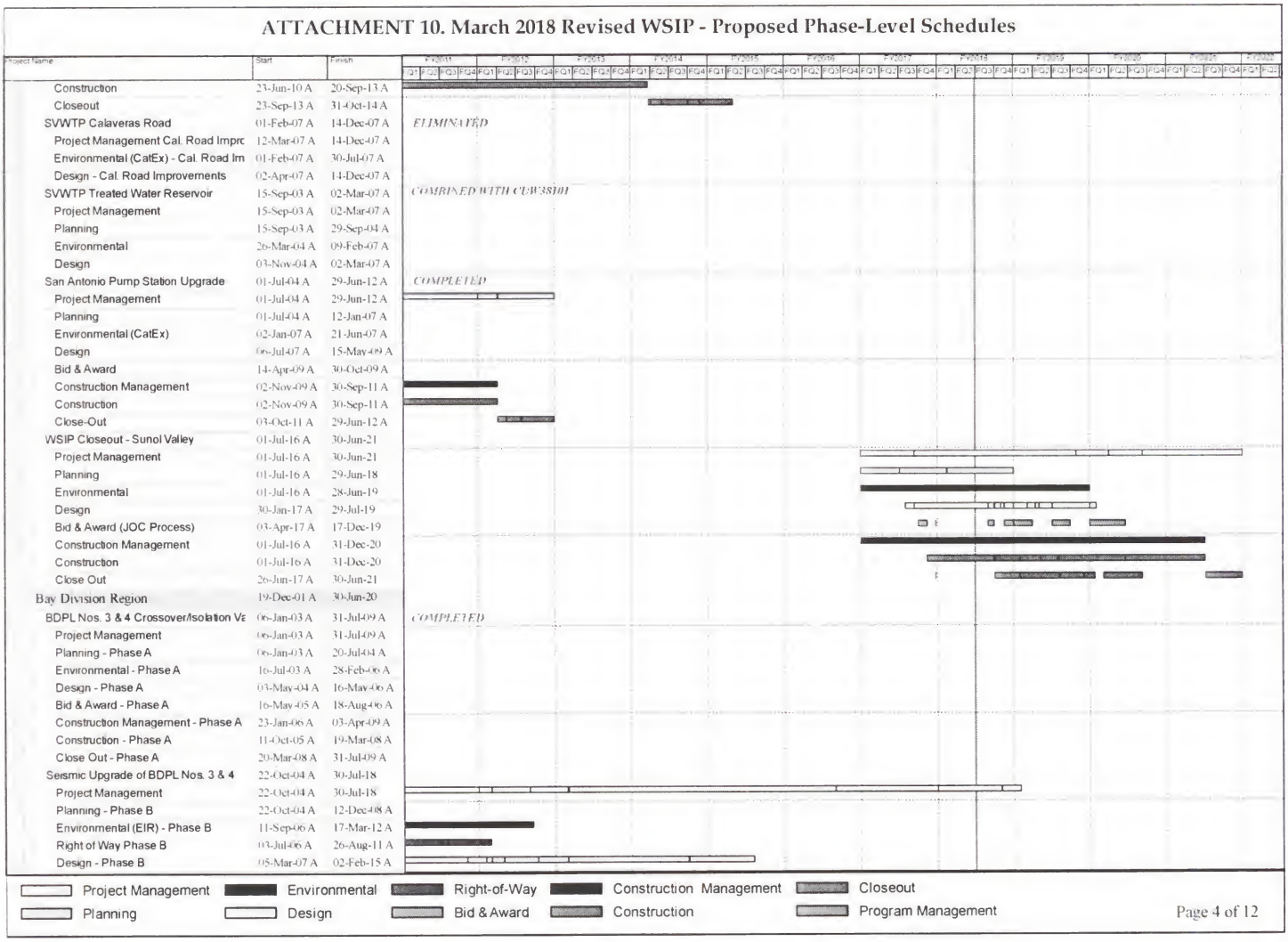
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



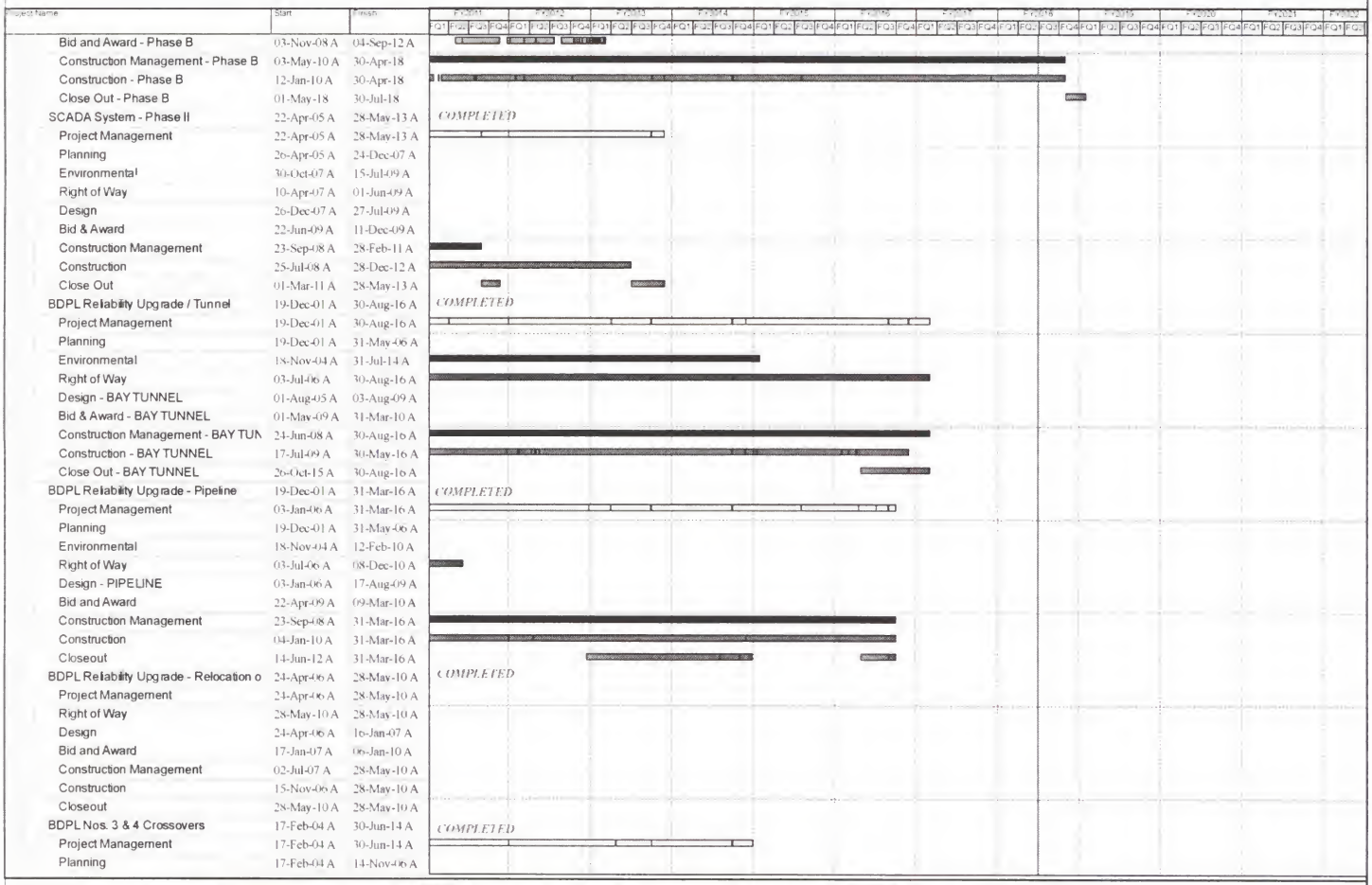
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



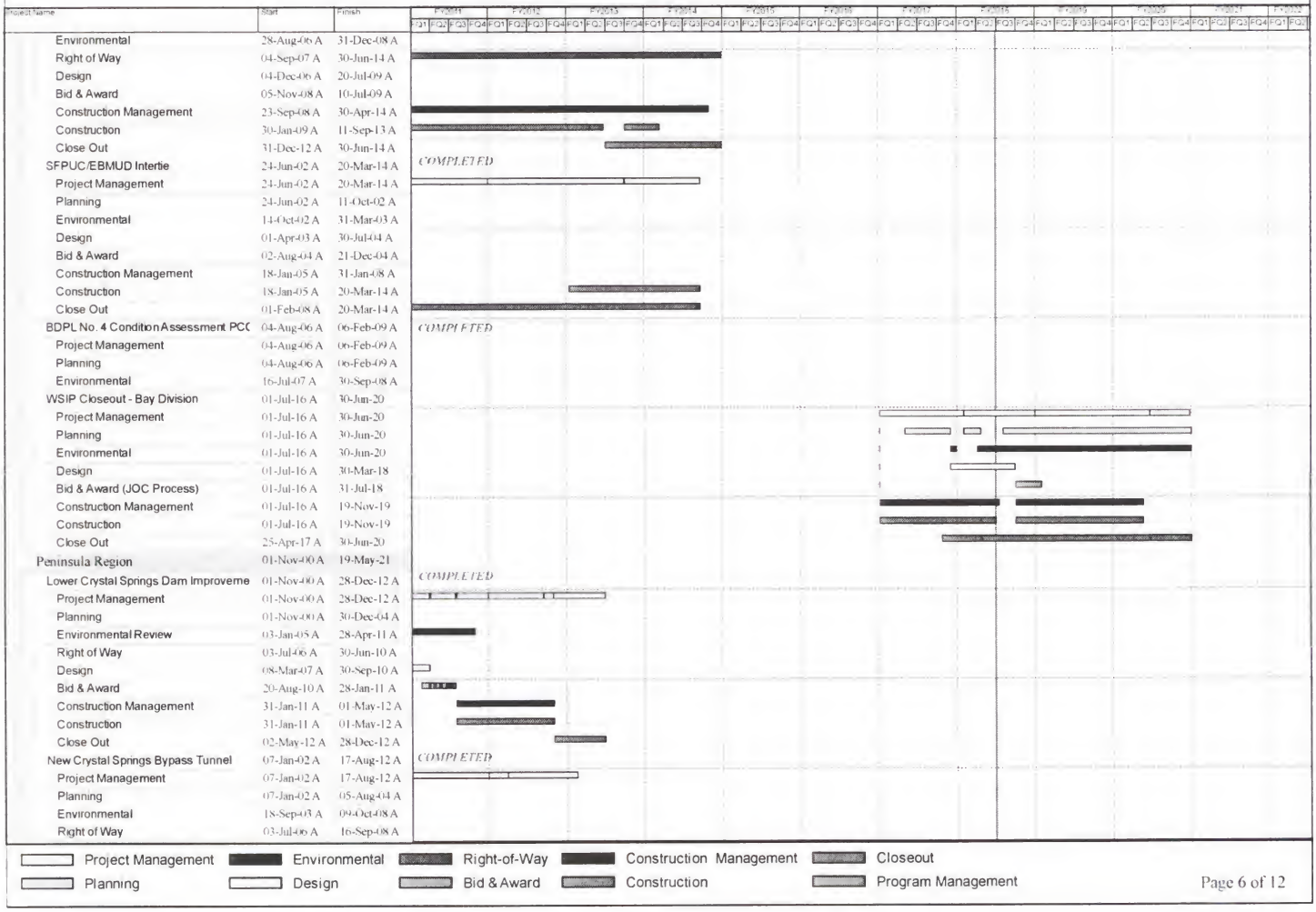
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules

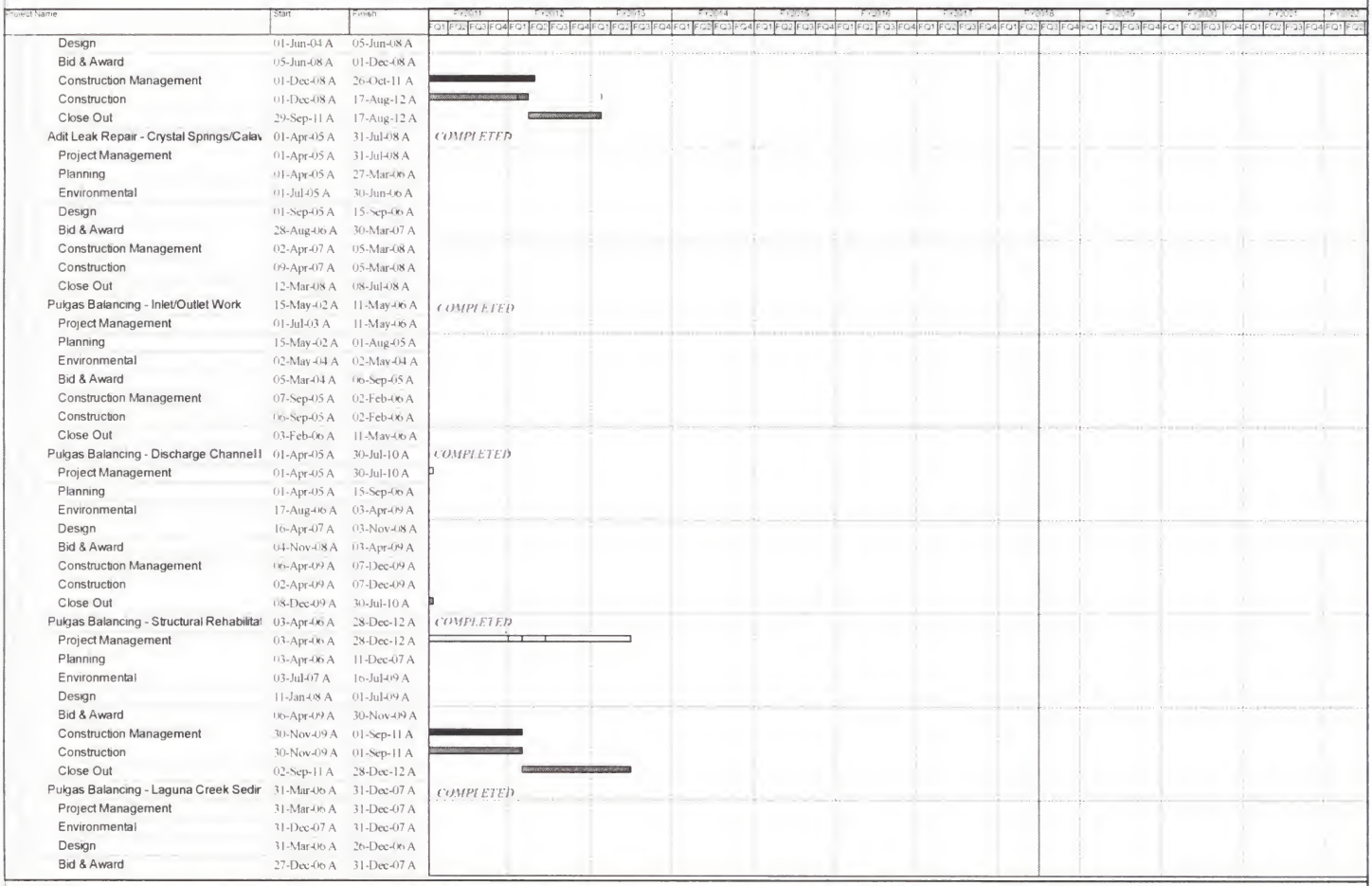


ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



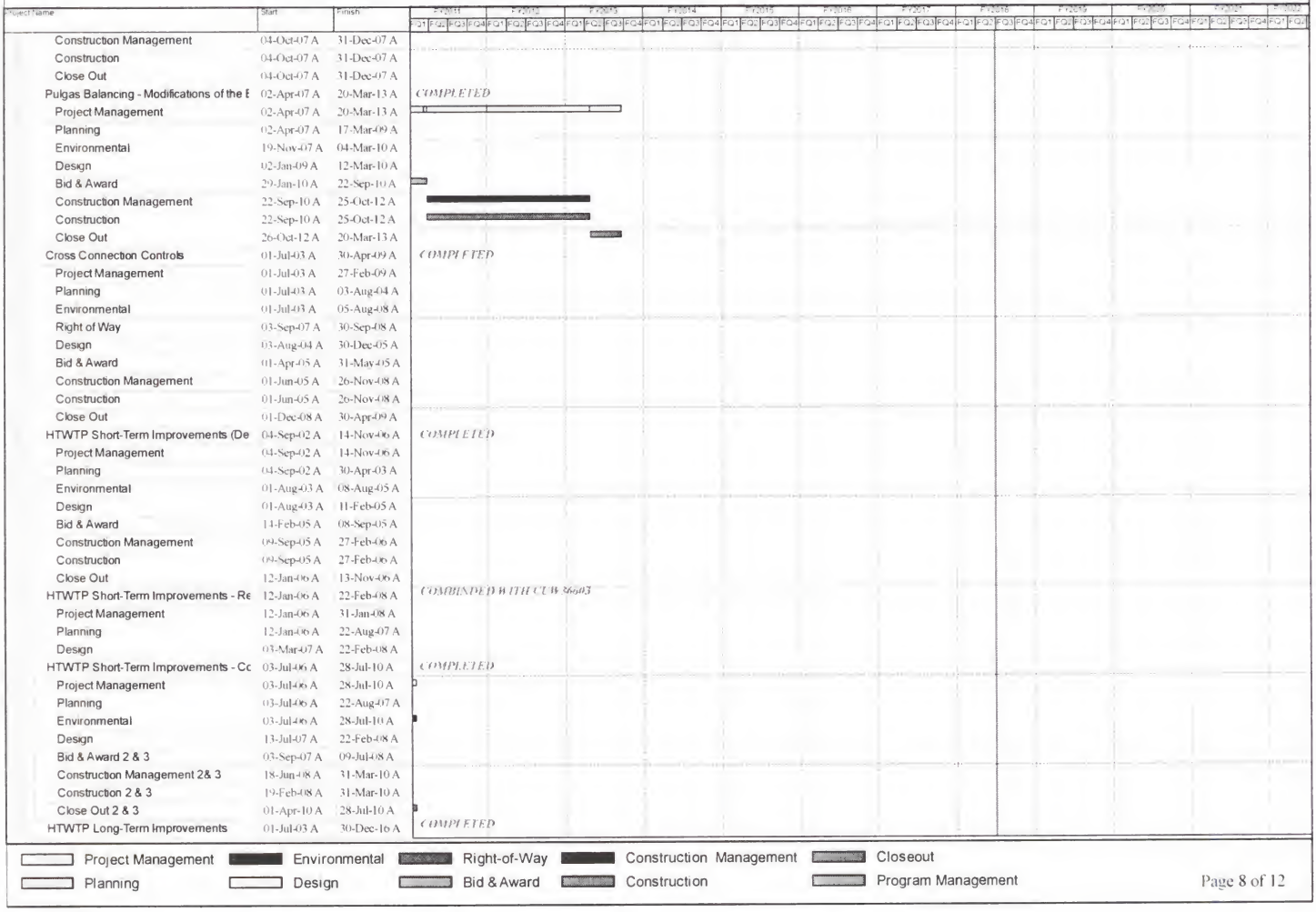
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules

Project Name	Start	Finish
Design	01-Jun-04 A	05-Jun-08 A
Bid & Award	05-Jun-08 A	01-Dec-08 A
Construction Management	01-Dec-08 A	26-Oct-11 A
Construction	01-Dec-08 A	17-Aug-12 A
Close Out	29-Sep-11 A	17-Aug-12 A
Adit Leak Repair - Crystal Springs/Calav	01-Apr-05 A	31-Jul-08 A
Project Management	01-Apr-05 A	31-Jul-08 A
Planning	01-Apr-05 A	27-Mar-06 A
Environmental	01-Jul-05 A	30-Jun-06 A
Design	01-Sep-05 A	15-Sep-06 A
Bid & Award	28-Aug-06 A	30-Mar-07 A
Construction Management	02-Apr-07 A	05-Mar-08 A
Construction	09-Apr-07 A	05-Mar-08 A
Close Out	12-Mar-08 A	08-Jul-08 A
Pulgas Balancing - Inlet/Outlet Work	15-May-02 A	11-May-06 A
Project Management	01-Jul-03 A	11-May-06 A
Planning	15-May-02 A	01-Aug-05 A
Environmental	02-May-04 A	02-May-04 A
Bid & Award	05-Mar-04 A	06-Sep-05 A
Construction Management	07-Sep-05 A	02-Feb-06 A
Construction	06-Sep-05 A	02-Feb-06 A
Close Out	03-Feb-06 A	11-May-06 A
Pulgas Balancing - Discharge Channel I	01-Apr-05 A	30-Jul-10 A
Project Management	01-Apr-05 A	30-Jul-10 A
Planning	01-Apr-05 A	15-Sep-06 A
Environmental	17-Aug-06 A	03-Apr-09 A
Design	16-Apr-07 A	03-Nov-08 A
Bid & Award	04-Nov-08 A	03-Apr-09 A
Construction Management	06-Apr-09 A	07-Dec-09 A
Construction	02-Apr-09 A	07-Dec-09 A
Close Out	08-Dec-09 A	30-Jul-10 A
Pulgas Balancing - Structural Rehabilitat	03-Apr-06 A	28-Dec-12 A
Project Management	03-Apr-06 A	28-Dec-12 A
Planning	03-Apr-06 A	11-Dec-07 A
Environmental	03-Jul-07 A	16-Jul-09 A
Design	11-Jan-08 A	01-Jul-09 A
Bid & Award	06-Apr-09 A	30-Nov-09 A
Construction Management	30-Nov-09 A	01-Sep-11 A
Construction	30-Nov-09 A	01-Sep-11 A
Close Out	02-Sep-11 A	28-Dec-12 A
Pulgas Balancing - Laguna Creek Sedir	31-Mar-06 A	31-Dec-07 A
Project Management	31-Mar-06 A	31-Dec-07 A
Environmental	31-Dec-07 A	31-Dec-07 A
Design	31-Mar-06 A	26-Dec-06 A
Bid & Award	27-Dec-06 A	31-Dec-07 A

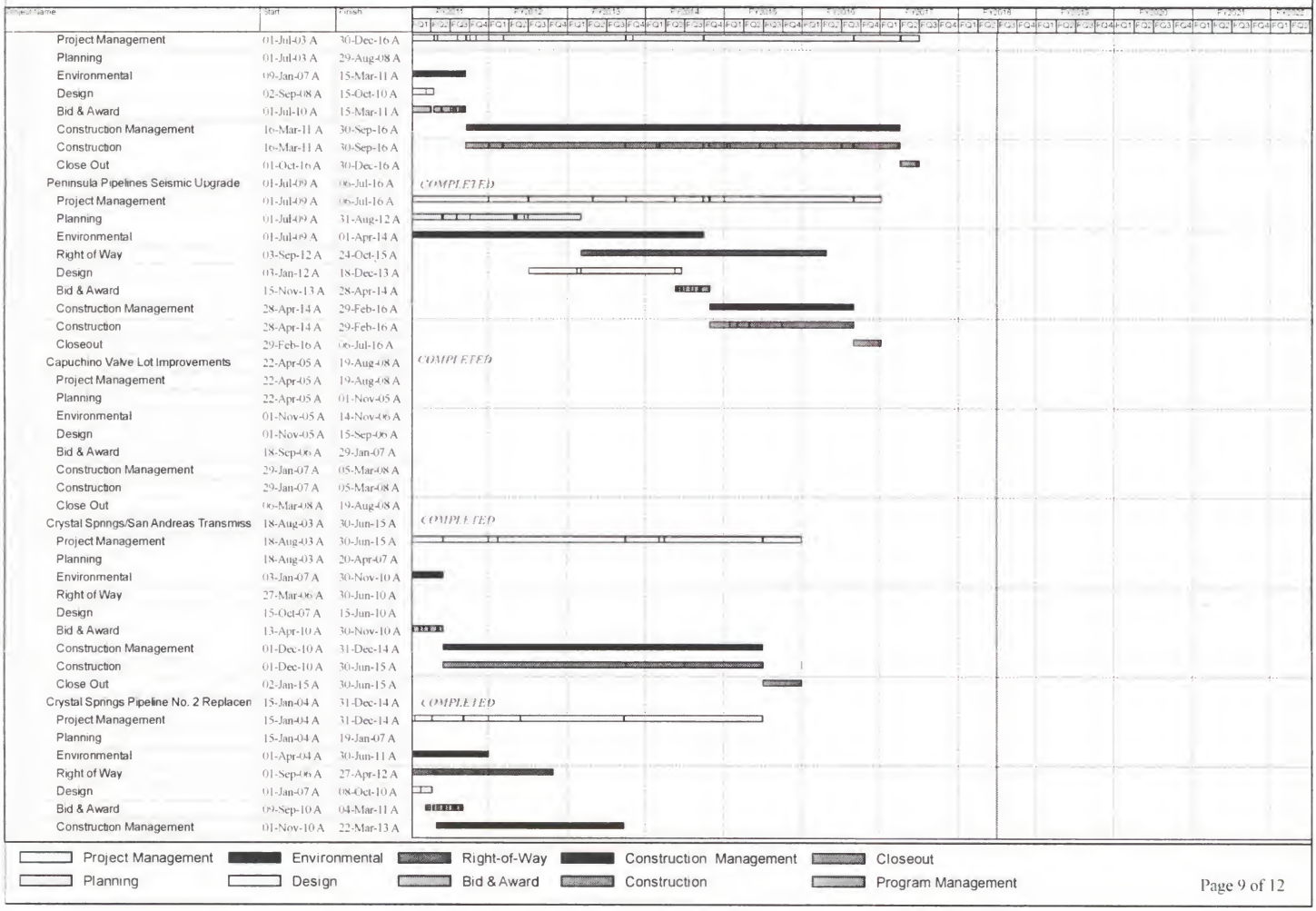


Project Management | Environmental | Right-of-Way | Construction Management | Closeout
Planning | Design | Bid & Award | Construction | Program Management

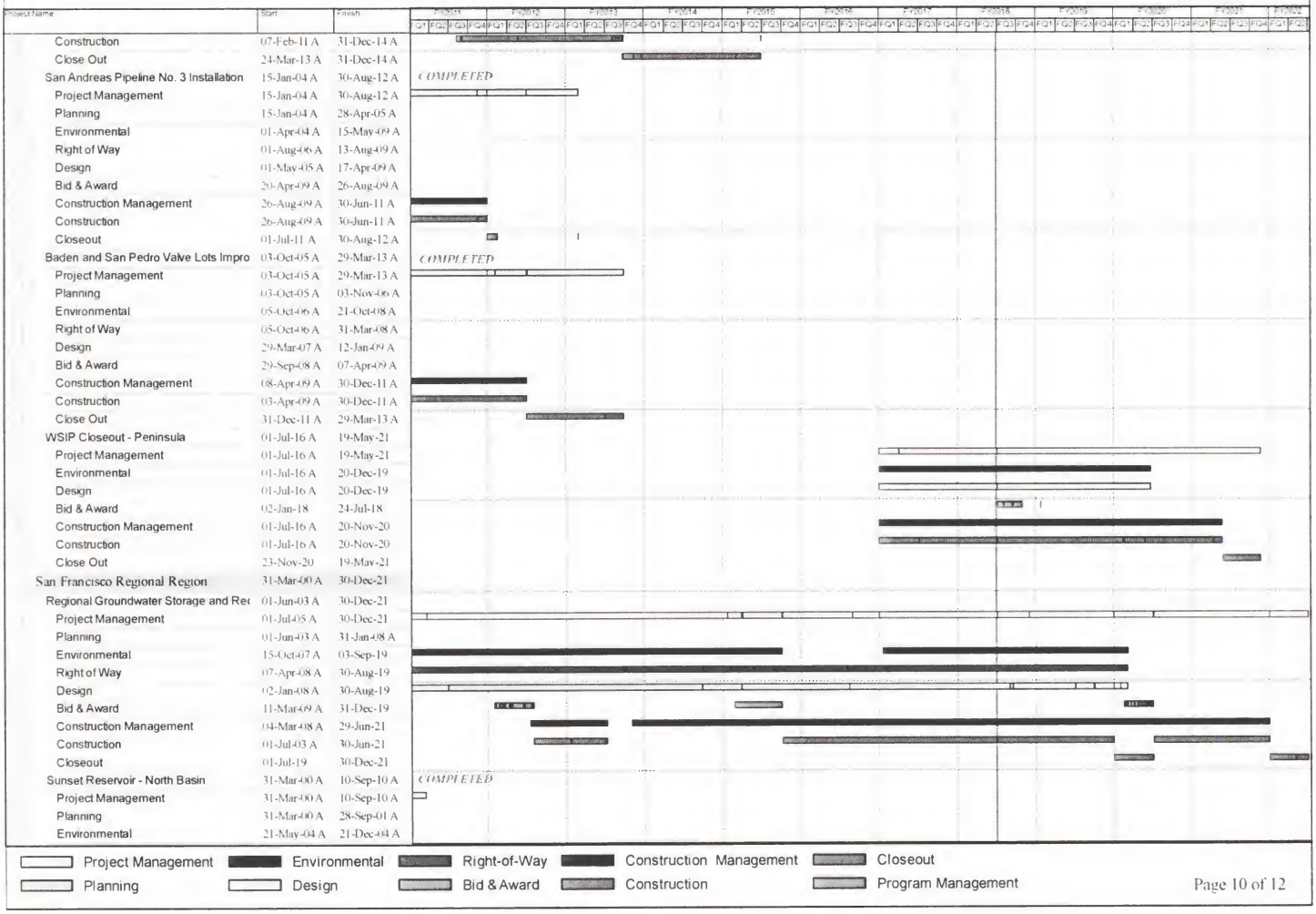
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



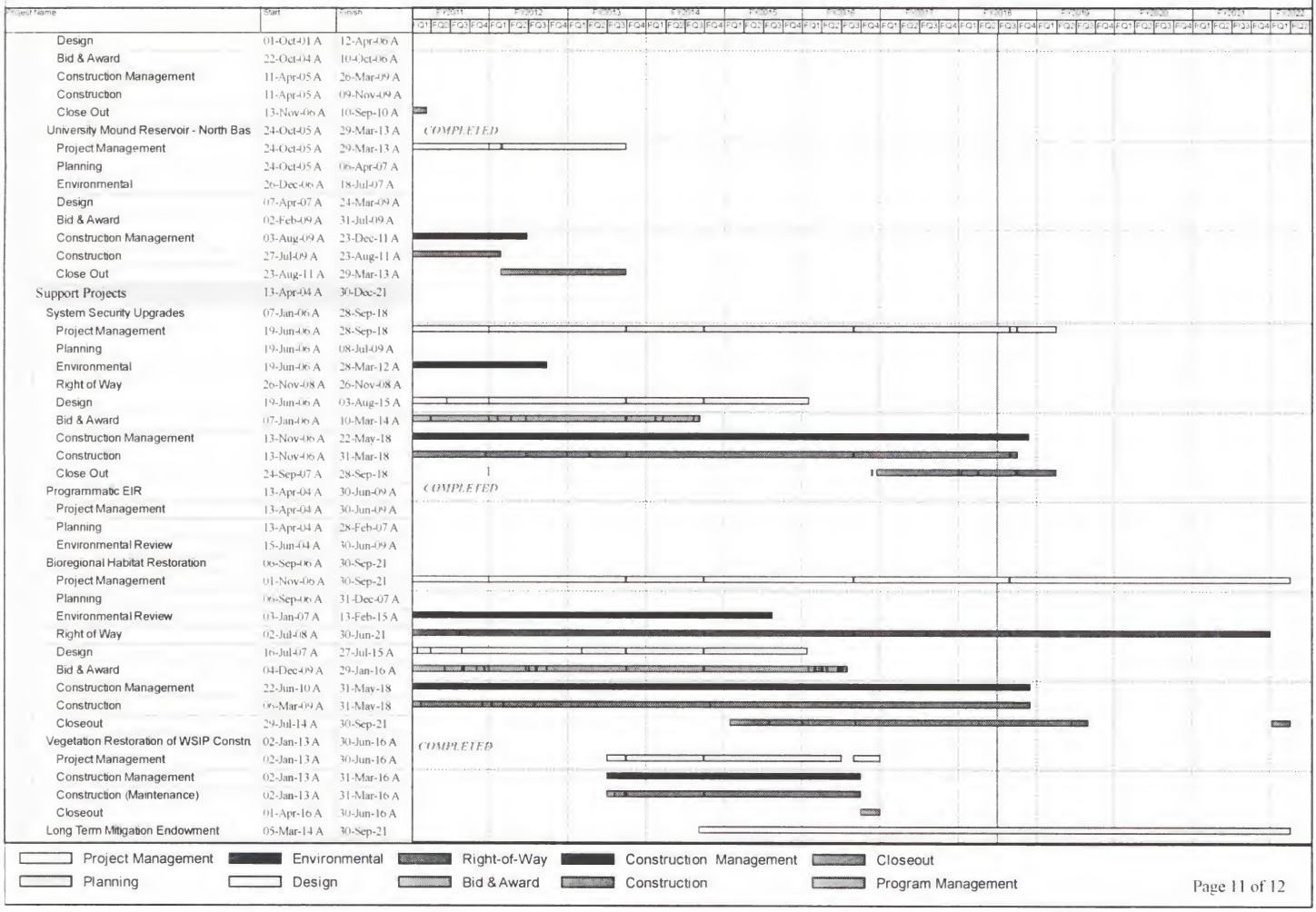
ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules

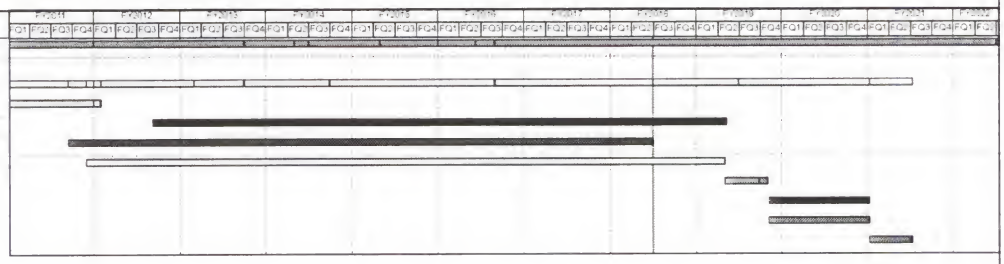


ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules



ATTACHMENT 10. March 2018 Revised WSIP - Proposed Phase-Level Schedules

Project Name	Start	Finish
Program Management Project	01-Aug-05 A	30-Dec-21
Watershed and Environmental Improvei	02-Jan-07 A	08-Jan-21
Project Management	02-Jul-07 A	08-Jan-21
Planning	02-Jan-07 A	29-Jul-11 A
Environmental	05-Mar-12 A	06-Nov-18
Right of Way	14-Mar-11 A	31-Dec-17 A
Design	31-May-11 A	30-Oct-18
Bid & Award	31-Oct-18	03-May-19
Construction Management	06-May-19	06-Jul-20
Construction	06-May-19	06-Jul-20
Closeout	07-Jul-20	08-Jan-21



Project Management
Planning
Environmental
Design
Right-of-Way
Bid & Award
Construction Management
Construction
Closeout
Program Management

ATTACHMENT 11: March 2018 Revised WSIP - Summary of Proposed Project Level Cost

PROJECT NO.	Project Name	CONSTRUCTION COSTS [1]	DELIVERY COSTS [2]	OTHER COSTS [3]	TOTAL PROJECT COSTS
San Joaquin Region		**$222,552,903**	**$117,461,543**	**$8,184,486**	**$348,198,932**
CUW36401	Lawrence Livermore Water Quality Improvement *(Completed)*	$1,481,801	$2,716,446	-	$4,198,247
CUW37301	San Joaquin Pipeline System *(Completed)*	$125,965,937	$73,780,110	$3,431,968	$203,178,014
CUW37302	Rehabilitation of Existing San Joaquin Pipelines *(Completed)*	$11,434,583	$9,695,039	$24,000	$21,153,622
CUW38401	Tesla Treatment Facility *(Completed)*	$81,277,518	$27,205,570	$4,728,519	$113,211,607
CUW38701	Tesla Portal Disinfection Station *(Combined with CUW38401)*	-	$2,081,278	-	$2,081,278
CUWSJI0101	WSIP Closeout - San Joaquin	$2,393,064	$1,983,100	-	$4,376,164
Sunol Valley Region		**$1,124,510,895**	**$359,409,638**	**$5,528,648**	**$1,489,449,181**
CUW35201	Alameda Creek Recapture Project	$15,402,000	$18,550,006	$48,000	$34,000,006
CUW35501	Standby Power Facilities - Various Locations *(Completed)*	$9,602,901	$3,347,665	-	$12,950,566
CUW35901	New Irvington Tunnel	$272,130,689	$65,812,902	$2,462,767	$340,406,358
CUW35902	Alameda Siphon #4 *(Completed)*	$41,479,253	$23,209,275	$261,978	$64,950,507
CUW37001	Pipeline Repair & Readiness Improvements *(Completed)*	$2,763,325	$2,432,056	-	$5,195,381
CUW37401	Calaveras Dam Replacement	$644,509,688	$176,296,031	$2,286,046	$823,091,765
CUW37402	Calaveras Reservoir Upgrades *(Completed)*	$1,274,600	$415,953	-	$1,690,552
CUW37403	San Antonio Backup Pipeline *(Completed)*	$33,339,396	$20,255,287	-	$53,594,683
CUW38101	SVWTP Expansion & Treated Water Reservoir *(Completed)*	$94,121,180	$35,002,638	$469,856	$129,593,674
CUW38102	SVWTP Calaveras Road *(Eliminated)*	-	$34,654	-	$34,654
CUW38201	SVWTP Treated Water Reservoir *(Combined with CUW38101)*	-	$5,056,596	-	$5,056,596
CUW38601	San Antonio Pump Station Upgrade *(Completed)*	$7,516,865	$5,377,727	-	$12,894,592
CUWSVI0101	WSIP Closeout - Sunol Valley	$2,370,998	$3,618,848	-	$5,989,845
Bay Division Region		**$462,880,470**	**$176,186,163**	**$8,763,089**	**$647,829,723**
CUW35301	BDPL Nos. 3 & 4 Crossover/Isolation Valves *(Completed)*	$20,649,649	$6,389,500	-	$27,039,149
CUW35302	Seismic Upgrade of BDPL Nos. 3 & 4	$43,114,117	$30,435,863	$73,316	$73,623,296
CUW36301	SCADA System - Phase II *(Completed)*	$5,390,903	$4,061,569	$18,450	$9,470,922
CUW36801	BDPL Reliability Upgrade - Tunnel *(Completed)*	$220,454,710	$50,077,878	$1,831,502	$272,364,089
CUW36802	BDPL Reliability Upgrade - Pipeline *(Completed)*	$145,692,701	$65,477,542	$5,700,912	$216,871,156
CUW36803	BDPL Reliability Upgrade - Relocation of BDPL Nos. 1 & 2 *(Completed)*	$2,363,367	$683,615	-	$3,046,981
CUW38001	BDPL Nos. 3 & 4 Crossovers *(Completed)*	$14,794,660	$14,576,880	$538,909	$29,910,449
CUW38901	SFPUC/EBMUD Intertie *(Completed)*	$8,489,689	$677,617	-	$9,167,306
CUW39301	BDPL No. 4 Condition Assessment PCCP Sections *(Completed)*	-	$1,937,599	-	$1,937,599
CUWBDP0101	WSIP Closeout - Bay Division	$1,930,675	$1,868,100	$600,000	$4,398,775
Peninsula Region		**$547,050,940**	**$255,133,493**	**$2,940,047**	**$805,124,480**
CUW35401	Lower Crystal Springs Dam Improvements *(Completed)*	$20,357,967	$14,451,073	$50,000	$34,859,040
CUW35601	New Crystal Springs Bypass Tunnel *(Completed)*	$57,409,887	$23,933,121	$123,725	$81,466,732
CUW35701	Adit Leak Repair - Crystal Springs/Calaveras *(Completed)*	$1,706,478	$1,080,845	-	$2,787,322
CUW36101	Pulgas Balancing - Inlet/Outlet Work *(Completed)*	$638,020	$1,127,918	-	$1,765,938
CUW36102	Pulgas Balancing - Discharge Channel Modifications *(Completed)*	$903,240	$1,942,236	$64,531	$2,910,007
CUW36103	Pulgas Balancing - Structural Rehabilitation and Roof Replacement *(Completed)*	$13,283,050	$6,804,183	$151,483	$20,238,716

ATTACHMENT 11: March 2018 Revised WSIP - Summary of Proposed Project Level Cost

PROJECT NO.	Project Name	CONSTRUCTION COSTS [1]	DELIVERY COSTS [2]	OTHER COSTS [3]	TOTAL PROJECT COSTS
CUW36104	Pulgas Balancing - Laguna Creek Sedimentation *(Eliminated)*	-	$503,928	-	$503,928
CUW36105	Pulgas Balancing - Modifications of the Existing Dechloramination Facility *(Completed)*	$2,054,696	$3,285,334	$50,000	$5,390,031
CUW36501	Cross Connection Controls *(Completed)*	$1,835,224	$2,090,210	$23,509	$3,948,944
CUW36601	HTWTP Short-Term Improvements (Demo Filters) *(Completed)*	$1,683,042	$1,384,862	-	$3,067,903
CUW36602	HTWTP Short-Term Improvements - Remaining Filters *(Combined with CUW36603)*	-	$1,424,510	-	$1,424,510
CUW36603	HTWTP Short-Term Improvements - Coagulation & Flocculation/ Remaining Filters *(Completed)*	$15,214,291	$3,390,646	-	$18,604,937
CUW36701	HTWTP Long-Term Improvements *(Completed)*	$196,615,628	$76,482,504	$983,837	$274,081,969
CUW36702	Peninsula Pipelines Seismic Upgrade *(Completed)*	$23,097,596	$15,165,614	$562,136	$38,825,346
CUW36901	Capuchino Valve Lot Improvements *(Completed)*	$1,576,733	$1,226,420	-	$2,803,153
CUW37101	Crystal Springs/San Andreas Transmission Upgrade *(Completed)*	$133,915,522	$56,257,341	$136,590	$190,309,453
CUW37801	Crystal Springs Pipeline No. 2 Replacement *(Completed)*	$34,750,123	$20,932,509	$387,877	$56,070,509
CUW37901	San Andreas Pipeline No. 3 Installation *(Completed)*	$17,087,803	$10,001,396	$406,359	$27,495,558
CUW39101	Baden and San Pedro Valve Lots Improvements *(Completed)*	$15,646,639	$9,344,164	-	$24,990,803
CUWPWI0101	WSIP Closeout - Peninsula	$9,275,000	$4,304,680	-	$13,579,680
San Francisco Regional Region		**$164,477,403**	**$76,578,193**	**$5,274,995**	**$246,330,591**
CUW30103	Regional Groundwater Storage and Recovery	$80,539,000	$52,979,319	$5,274,995	$138,793,314
CUW35801	Sunset Reservoir - North Basin *(Completed)*	$52,777,386	$11,493,339	-	$64,270,725
CUW37201	University Mound Reservoir - North Basin *(Completed)*	$31,161,017	$12,105,535	-	$43,266,552
Support Projects		**$21,265,068**	**$171,592,696**	**$73,274,990**	**$266,132,754**
CUW36302	System Security Upgrade	$6,166,652	$9,034,659	-	$15,201,311
CUW38801	Programmatic EIR *(Completed)* [4]	-	$10,730,684	-	$10,730,684
CUW38802	Bioregional Habitat Restoration	-	$35,381,866	$57,960,117	$93,341,983
CUW38803	Vegetation Restoration of WSIP Construction Sites *(Completed)*	-	$1,177,223	$934,323	$2,111,546
CUW38804	Long Term Mitigation Endowment	-	-	$12,000,000	$12,000,000
CUW39201	Program Management Project [4]	-	$112,747,230	-	$112,747,230
CUW39401	Watershed and Environmental Improvement Program	$15,098,416	$2,521,034	$2,380,550	$20,000,000
	Regional Program Sub-Total	**$2,542,737,679**	**$1,156,361,726**	**$103,966,255**	**$3,803,065,661**
	Local Program Sub-Total	**$424,793,027**	**$183,666,743**	**$4,258,240**	**$612,718,010**
	Regional + Local Programs Sub-Total	**$2,967,530,706**	**$1,340,028,469**	**$108,224,495**	**$4,415,783,671**
	Financing Cost				**$371,991,469**
	PROGRAM TOTAL				**$4,787,775,140**

LEGEND:

(1) **Construction Costs** include the Construction Base Bid, Construction Contingency and owner-provided equipment/material.
(2) **Delivery Costs** include program and project management, planning, environmental (CEQA, permitting, construction compliance), design, construction management, and engineering support during construction.
(3) **Other Costs** include environmental mitigation, art enrichment, security Improvements, and real estate expenses.
(4) Not included in 52 regional project count.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0053

WHEREAS, In accordance with Section 8B.125 of the Charter of the City and County of San Francisco, the San Francisco Public Utilities Commission (SFPUC) retained an independent rate consultant, Carollo Engineers, which prepared the report titled *2018 SFPUC Water and Wastewater Cost of Service Study* ("2018 Rate Study"), which has been submitted to the Rate Fairness Board for its review, and posted to the sfwater.org website; and

WHEREAS, The General Manager of the Public Utilities Commission and staff have reviewed the 2018 Rate Study, and have prepared a staff rate proposal, which has been submitted to the Rate Fairness Board for its review and has posted to the sfwater.org website; and

WHEREAS, The Rate Fairness Board reviewed the findings and recommendations of the 2018 Rate Study and staff rate proposal and presented its own report to this Commission on April 10, 2018 finding that water revenues under existing rates will be insufficient to meet revenue requirements of the Water Enterprise; and

WHEREAS, Based on the analysis set forth in the 2018 Rate Study, the General Manager finds that water revenues under existing rates will be insufficient to meet revenue requirements of the Water Enterprise as projected in the Water Enterprise 10-Year Financial Plan, and recommends that rate adjustments are needed resulting in revenue requirement increases of 9% in fiscal year ending 2019, 8% in fiscal year ending 2020, and 7% in fiscal year ending 2021 and 2022; and

WHEREAS, As required by Proposition 218, a notice of the proposed rate change was sent to all ratepayers and property owners more than 45 days in advance of the April 10, 2018 public hearing; and

WHEREAS, Pursuant to Charter Section 16.112, a Notice of hearing on the proposal to adopt a new schedule of rates was published in the official newspaper on March 12th through March 16th, 2018, and posted on the SFPUC website and at the San Francisco Public Library, as required, for a public hearing on April 10, 2018; and

WHEREAS, Pursuant to the published notice of the intention of the Public Utilities Commission to adopt a revised Schedule of Retail Water Rates to be charged for retail water service in San Francisco and adjacent areas, a public hearing was held on April 10, 2018, and members of the public were given an opportunity to comment on the revised Schedules of Water Rates; and

WHEREAS, At the April 10, 2018 public hearing, the Commission considered protests against the proposed rates, and written protests against the proposed rates were presented by less than a majority of parcel owners and direct water services customer tenants; and

WHEREAS,on March 26, 2018 the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) Guidliens under Section 21080(b)(8) and Section 15273 (Rates, Tolls, Fares, and Charges); and ; and

WHEREAS, Charter Section 8B.125 requires the Commission to set rates and charges, subject to rejection by the Board of Supervisors, within 30 days of submission; now, therefore, be it

RESOLVED, That this Commission hereby determines, basd on the findings of the 2018 Rate Study, that projected revenues under existing retail water rates, together with other revenues of the Water Enterprise, will be insufficient to meet the revenue requirements of the Water Enterprise as projected in the Water Enterprise 10-Year Financial Plan, and that overall increases of water rates by 9% in the fiscal year ending 2019, 8% in the fiscal year ending 2020, and 7% in the fiscal years ending 2021 and 2022 are therefore warranted; and be it

FURTHER RESOLVED, That the Commission hereby adopts the revised Schedule of Retail Water Rates attached hereto and incorporated by reference herein to apply to all retail Customers, as defined in the Schedule, of San Francisco's Water System, on or after July 1, 2018.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

SCHEDULE OF RETAIL WATER RATES
EFFECTIVE JULY 1, 2018
(adopted April 10, 2018 by Commission Resolution No.: 18-0053)

Section 1 – Authority and General Purpose

This Schedule was adopted by the Commission pursuant to Section 8B.125 of the Charter of the City and County of San Francisco for the purpose of establishing an orderly system for the imposition and collection of charges for the operating, maintenance, replacement, debt service and other costs incurred by the San Francisco Water Enterprise in gathering, treating and delivering water for consumptive and other uses in San Francisco and other areas receiving retail service from the Water Enterprise.

Section 2 – Definitions

For the purpose of this Schedule, the following definitions shall apply unless the context specifically dictates otherwise.

"City"
The City and County of San Francisco

"Commission"
The San Francisco Public Utilities Commission

"Customer"
Any person, firm, corporation, partnership, trust, or any other entity including, but not limited to, local, state and federal governments utilizing the services of the City's utility systems.

"Customer Class"
Customers with the same or similar usage characteristics are grouped into Customer Classes for purposes of cost allocation and rate setting.

"Dwelling Unit"
As defined in San Francisco Planning Code Section 102.7, a room or suite of two or more rooms that is designed for, or is occupied by, one family doing its own cooking therein and having only one kitchen. For the purposes of this resolution, "Dwelling Unit" shall not include a lodging house, rooming house, motel or hotel, as defined in San Francisco Housing Code Section 410, or a live/work unit, as defined in Section 102.13 of the San Francisco Planning Code.

"Equivalent Meter"
A measure of the capacity of a meter expressed as a ratio to the capacity of a 5/8 X 3/4 meter.

"General Manager"
The General Manager of the Public Utilities Commission or his or her designee.

"Operations and Maintenance Costs"
Expenditures used for the storage, treatment, and delivery of Retail and Regional water including, but not limited to, the costs of personnel, materials and supplies, energy and administration.

"Residential Customer"
A Residential Customer is the owner or customer of record of any single-family or multiple-family Dwelling Unit.

"Water System"
The City's water system including all properties (real, personal, and tangible or intangible) owned, operated, maintained by and under the jurisdiction of the Commission used for the gathering, impounding, treatment, transmission and distribution of water, including all future additions, extensions, replacements and improvements to the system.

Section 3 – Customer Classification

a. Class Determination
Upon application for new service, each Customer shall be assigned to a Customer Class based on the City's evaluation of the Customer's usage characteristics in accordance with the requirements of this resolution and applicable laws and regulations. Such Customer Class determination shall be based on the Customer's description of its current operation and use of the water facilities of the City. Such description shall be subject to verification by the City.

b. Change in Classification
Customers requiring or requesting a change in their classification shall do so in writing within 30 days of a change in operations.

Section 4 - Enterprise Funds

Pursuant to Article V, Section 5.01 of the Indenture between the San Francisco Public Utilities Commission and U.S. Bank, NA, as trustee, all revenues of the Water Enterprise shall be set aside and deposited into a fund in the City treasury (the Revenue Fund). All amounts paid into the Revenue Fund shall be maintained separate and apart from other City funds. Moneys in the Revenue Fund shall be appropriated and expended in accordance with the Indenture.

Section 5 – Billing Rates for Retail Water

The following Schedules of Retail Water Rates to be paid by all retail customers of the City's Water System are hereby adopted and imposed.

SCHEDULE W-1A: Single Family Residential Service within the City and County of San Francisco

Applicable to single-family dwelling units served through a separate meter or bank of meters:

First: A Monthly Service Charge based on the size of the meter.

Meter Size	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
5/8 in	$12.30	$13.28	$14.19	$15.17
3/4 in	$15.76	$17.01	$18.18	$19.43
1 in	$22.67	$24.47	$26.15	$27.95
1-1/2 in	$39.94	$43.12	$46.07	$49.25
2 in	$60.67	$65.50	$69.98	$74.81
3 in	$115.95	$125.18	$133.74	$142.97
4 in	$178.14	$192.32	$205.47	$219.65
6 in	$350.89	$378.82	$404.72	$432.65
8 in	$558.19	$602.62	$643.82	$688.25
10 in	$869.14	$938.32	$1,002.47	$1,071.65
12 in	$1,491.04	$1,609.72	$1,719.77	$1,838.45
16 in	$2,596.64	$2,803.32	$2,994.97	$3,201.65

Second: A charge for all water delivered based on monthly meter reading.

	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
First 4 CCF per month	$7.10	$7.85	$8.68	$9.60
All additional CCF	$9.10	$9.61	$10.15	$10.71

SCHEDULE W-1B: Multiple-Family Residential Service within the City and County of San Francisco

Applicable to multiple-family accounts consisting of two or more dwelling units served through a separate meter or bank of meters:

First: A Monthly Service Charge based on the size of the meter.

Meter Size	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
5/8 in	$12.30	$13.28	$14.19	$15.17
3/4 in	$15.76	$17.01	$18.18	$19.43
1 in	$22.67	$24.47	$26.15	$27.95
1-1/2 in	$39.94	$43.12	$46.07	$49.25
2 in	$60.67	$65.50	$69.98	$74.81
3 in	$115.95	$125.18	$133.74	$142.97
4 in	$178.14	$192.32	$205.47	$219.65
6 in	$350.89	$378.82	$404.72	$432.65
8 in	$558.19	$602.62	$643.82	$688.25
10 in	$869.14	$938.32	$1,002.47	$1,071.65
12 in	$1,491.04	$1,609.72	$1,719.77	$1,838.45
16 in	$2,596.64	$2,803.32	$2,994.97	$3,201.65

Second: A charge for all water delivered based on monthly meter reading.

	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
First 3 CCF per dwelling unit per month	$7.22	$7.94	$8.73	$9.60
All additional CCF	$9.26	$9.73	$10.23	$10.76

SCHEDULE W-1C: Commercial, Industrial and General Uses within the City and County of San Francisco

Applicable to commercial, industrial and other general uses served through a separate meter or bank of meters:

First: A Monthly Service Charge based on the size of the meter.

Meter Size	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
5/8 in	$12.30	$13.28	$14.19	$15.17
3/4 in	$15.76	$17.01	$18.18	$19.43
1 in	$22.67	$24.47	$26.15	$27.95
1-1/2 in	$39.94	$43.12	$46.07	$49.25
2 in	$60.67	$65.50	$69.98	$74.81
3 in	$115.95	$125.18	$133.74	$142.97
4 in	$178.14	$192.32	$205.47	$219.65
6 in	$350.89	$378.82	$404.72	$432.65
8 in	$558.19	$602.62	$643.82	$688.25
10 in	$869.14	$938.32	$1,002.47	$1,071.65
12 in	$1,491.04	$1,609.72	$1,719.77	$1,838.45
16 in	$2,596.64	$2,803.32	$2,994.97	$3,201.65

Second: A charge for all water delivered based on monthly meter reading.

	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
For all units of water	$8.43	$9.14	$9.81	$10.55

SCHEDULE W-2: Fire Service within the City and County of San Francisco

Applicable to private fire service installed and maintained according to the rules regulations and Specifications of the San Francisco Water Enterprise.

First: A Monthly Service Charge based on the size of the service.

	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
1 in	$7.74	$8.37	$8.95	$9.55
1-1/2 in	$10.09	$10.92	$11.67	$12.45
2 in	$12.91	$13.98	$14.94	$15.93
3 in	$20.43	$22.14	$23.66	$25.21
4 in	$28.89	$31.32	$33.47	$35.65
6 in	$52.39	$56.82	$60.72	$64.65
8 in	$80.59	$87.42	$93.42	$99.45
10 in	$122.89	$133.32	$142.47	$151.65
12 in	$207.49	$225.12	$240.57	$256.05

Second: If water is used for any purpose other than extinguishing accidental fires, the W-1C rates for water delivery shall apply.

SCHEDULE W-3A: Public Uses within the City and County of San Francisco

Applicable to Public Buildings, Parks and Other Metered Service: Schedule W-1C

For Street Sprinkling and Flushing when quantities are computed from records of tank wagons and billed as one amount: Schedule W-1C (no service charge to apply)

SCHEDULE W-4: Docks and Shipping Supply within the City and County of San Francisco.

Applicable to special shipping service, including hose truck and other special services, from open docks through common hydrants where delivery is not through a service and meter for which the customer is responsible:

First: A Docks & Shipping Connection Charge: Schedule W-44

Second: A charge for all water delivered based on monthly meter reading: Schedule W-1C

SCHEDULE W-5: Builders and Contractors within the City and County of San Francisco.

Builders and Contractors supply for metered service through the fire hydrants and other metered service:

First: A Builders and Contractors Connection Charge: Schedule W-44

Second: A Meter Rental Deposit: Schedule W-44

Third: A Monthly Service Charge based on the size of the meter:

Meter Size	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
5/8 in	$12.30	$13.28	$14.19	$15.17
3/4 in	$15.76	$17.01	$18.18	$19.43
1 in	$22.67	$24.47	$26.15	$27.95
1-1/2 in	$39.94	$43.12	$46.07	$49.25
2 in	$60.67	$65.50	$69.98	$74.81
3 in	$115.95	$125.18	$133.74	$142.97
4 in	$178.14	$192.32	$205.47	$219.65
6 in	$350.89	$378.82	$404.72	$432.65
8 in	$558.19	$602.62	$643.82	$688.25
10 in	$869.14	$938.32	$1,002.47	$1,071.65
12 in	$1,491.04	$1,609.72	$1,719.77	$1,838.45
16 in	$2,596.64	$2,803.32	$2,994.97	$3,201.65

Fourth: A charge for all water delivered based on monthly meter reading: Schedule W-1C

Fifth: Any customer who fails to report water consumption as required shall be assessed a non-reporting penalty equivalent to the cost of 25 units of water per month at the current W-1C volumetric rate.

SCHEDULE W-21: Single Family Residential Service outside the City and County of San Francisco.

Applicable to single-family dwelling units served through a separate meter or bank of meters: Schedule W-1A

SCHEDULE W-22: Fire Service outside the City and County of San Francisco

Applicable to private fire service installed and maintained according to the rules regulations and Specifications of the San Francisco Water Enterprise: Schedule W-2

SCHEDULE W-24: Untreated Water Service

Applicable inside and outside the City and County of San Francisco for untreated water service when the customer furnishes all facilities necessary to convey the untreated water from the San Francisco Water Enterprise's water supply reservoirs to the customer's point of use.

First: A Monthly Service Charge based on the size of the meter.

Meter Size	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
5/8 in	$12.30	$13.28	$14.19	$15.17
3/4 in	$15.76	$17.01	$18.18	$19.43
1 in	$22.67	$24.47	$26.15	$27.95
1-1/2 in	$39.94	$43.12	$46.07	$49.25
2 in	$60.67	$65.50	$69.98	$74.81
3 in	$115.95	$125.18	$133.74	$142.97
4 in	$178.14	$192.32	$205.47	$219.65
6 in	$350.89	$378.82	$404.72	$432.65
8 in	$558.19	$602.62	$643.82	$688.25
10 in	$869.14	$938.32	$1,002.47	$1,071.65
12 in	$1,491.04	$1,609.72	$1,719.77	$1,838.45
16 in	$2,596.64	$2,803.32	$2,994.97	$3,201.65

Second: A charge for all water delivered based on monthly meter reading.

	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
For all units of water	$0.76	$0.82	$0.88	$0.95

SCHEDULE W-31: Commercial, Industrial and General Uses outside the City and County of San Francisco.

Applicable to multiple-family residential, commercial, industrial and other general uses served through a separate meter or bank of meters: Schedule W-1C

SCHEDULE W-33. Public Uses Excluding Wholesale outside the City and County of San Francisco

Applicable to Public Buildings, Parks and Other Metered Service: Schedule W-1C

Section 6 - Drought Surcharge

If the Commission, at a publicly noticed meeting, adopts a resolution declaring a stage of water delivery reduction in accordance with the Retail Water Shortage Allocation Plan (i.e., Stage 1, Stage 2 or Stage 3), the following schedule of drought surcharges shall be applied to retail water rates as of the date of the Commission resolution or any effective date designated by the Commission. For residential customers, the surcharges shall be based on the assumption that the overall demand reduction is split evenly between Tier 1 and Tier 2. Each nonresidential customer shall incur the percent drought surcharge uniformly. The overall required surcharge is based on the final formula: surcharge ($ per ccf) = Water Revenue Shortfall from reduced flow/ Reduced Water Flow.

Retail Water Shortage Allocation Plan Stage	Target Usage Reduction	Drought Surcharge on Volumetric Water/WW Rates
Stage 1	5 - 10%	Up to 10%
Stage 2	11 - 20%	Up to 20%
Stage 3	Over 20%	Up to 25%

The drought surcharges shall remain in effect until the Commission, at a publicly noticed meeting, adopts a resolution rescinding the water delivery reduction.

Section 7 – Effective Date

The rates for FYE 2019 set forth herein shall be effective for water meter readings made on or after July 1, 2018 or as soon thereafter as possible. The rates for FYE 2020 shall be effective for water meter readings made on or after July 1, 2019. The rates for FYE 2021 shall be effective for water meter readings made on or after July 1, 2020. The rates for FYE 2022 shall be effective for water meter readings made on or after July 1, 2021, and shall remain in effect until repealed, modified or superseded.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0054

WHEREAS, In accordance with Section 8B.125 of the Charter of the City and County of San Francisco, the San Francisco Public Utilities Commission (SFPUC) has retained an independent rate consultant, Carollo Engineers, which prepared the report, 2018 SFPUC Water and Wastewater Cost of Service Study ("2018 Rate Study"), and has submitted the report's findings to the Rate Fairness Board for its review; and

WHEREAS, The General Manager of the SFPUC and staff have reviewed the independent consultant's 2018 Rate Study, and have prepared a staff proposal, which has been submitted to the Rate Fairness Board for its review and posted to the sfwater.org website; and

WHEREAS, The Rate Fairness Board has reviewed the findings and recommendations of the General Manager's report and the independent consultant's 2018 Rate Study, and has prepared its own report and presented that report to this Commission on April 10, 2018; and

WHEREAS, The General Manager finds that sewer service revenues under existing rates will be insufficient to meet revenue requirements of the Wastewater Enterprise as projected in the Wastewater Enterprise 10-Year Financial Plan, and, based on the analysis set forth in the 2018 Rate Study, recommend that wastewater rates be adjusted over the next four years to increase total revenue from wastewater rates by 7% annually in both fiscal years ending 2019 and 2020, by 8% in both fiscal years ending 2021 and 2022; and

WHEREAS, As required by Proposition 218, a notice of the proposed rate adjustments was sent to all ratepayers and property owners more than 45 days in advance of the Commission's April 10, 2018 public hearing; and

WHEREAS, Pursuant to the published notice of the intention of the Public Utilities Commission to adopt revised Schedules of Wastewater Rates and Charges to be charged for retail sewer service in San Francisco, the Commission held a public hearing on April 10, 2018, and members of the public were given an opportunity to comment on the revised Schedules of Wastewater Rates and Charges; and

WHEREAS, At the April 10, 2018 public hearing, the Commission considered protests against the proposed rates, and written protests against the proposed rates were presented by less than a majority of parcel owners and direct water services customer tenants; and

WHEREAS, On March 26, 2018 the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 21080(b)(8) and Section 15273 (Rates, Tolls, Fares, and Charges) ; now, therefore, be it

RESOLVED, That this Commission hereby determines that projected revenues under existing wastewater rates, together with other revenues of the Wastewater Enterprise, will be insufficient to meet the revenue requirements of the Wastewater Enterprise as projected in the Wastewater Enterprise 10-Year Financial Plan, and that overall adjustments of 7% to the wastewater rates applicable in fiscal years ending 2019 and 2020, and 8% in the wastewater rates applicable in fiscal years ending 2021 and 2022 are necessary and appropriate to meet revenue requirements for FYE 2019-2022; and be it

FURTHER RESOLVED, The Schedules of Wastewater Rates attached hereto and incorporated herein by reference shall apply to all retail Customers, as defined in the schedule, which discharge to San Francisco's Sewerage System, effective on or after July 1, 2018.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Secretary, Public Utilities Commission

SCHEDULES OF WASTEWATER RATES

(Adopted April 10, 2018 by Commission Resolution No. 18-0054)

Section 1 – Authority and General Purpose

This Schedule is adopted pursuant to Section 8B.125 of the Charter of the City and County of San Francisco for the purpose of establishing an orderly system for the imposition and collection of charges for the operating, maintenance, replacement, debt service and other costs incurred by the San Francisco Wastewater Enterprise in collecting, treating and disposing of sewage, stormwater, industrial wastes and other wastes.

Section 2 – Definitions

For the purpose of this Resolution, the following definitions shall apply unless the context specifically dictates otherwise.

"City"
The City and County of San Francisco

"COD"
Chemical Oxygen Demand (COD) is a quantitative measure of the amount of oxygen required for chemical oxidation of carbonaceous materials in wastewater using a strong chemical oxidant such as chromic acid ($H_2Cr_2O_7$).

"Commission"
The San Francisco Public Utilities Commission

"Customer"
Any person, firm, corporation, partnership, trust, or any other entity including, but not limited to, local, state and federal governments utilizing the services of the City's wastewater collection and treatment system.

"Customer Charge"
The charge applied to Customers to recover the operations, maintenance, debt service and replacement costs incurred by the City to collect, treat, and dispose of Sewage, Stormwater, Industrial Wastes, and Other Wastes of the Customer. The Customer Charge includes administrative costs of the Wastewater Enterprise, SFPUC, and other appropriate City functions.

"Customer Class"
Users with the same or similar usage characteristics are grouped into Customer Classes for purposes of cost allocation and rate setting.

"Discharge"
The Customer's metered water use multiplied by the Customer's applicable wastewater Flow Factor.

"Discharge Unit"
100 cubic feet of wastewater discharged to sewerage system. The quantity of wastewater shall be the amount metered, or, in the event quantity is not metered, shall be the metered water use multiplied by the wastewater Flow Factor.

"Domestic Wastes"
Water-carried human wastes from sanitary conveniences, including but not limited to toilets, sinks, bathtubs, and residential laundry facilities.

"Dwelling Unit"
As defined in San Francisco Planning Code Section 102.7, a room or suite of two or more rooms that is designed for, or is occupied by, one family doing its own cooking therein and having only one kitchen. For the purposes of this resolution, "Dwelling Unit" shall not include a lodging house, rooming house, motel or hotel, as defined in San Francisco Housing Code Section 410, or a live/work unit, as defined in Section 102.13 of the San Francisco Planning Code.

"Flow Factor"
The percentage of metered water use returned to sewers and the Sewerage System as wastewater. For purposes of determining applicable charges, the percentage of water use returned to sewers is assumed to be 90% for single family Residential Users, 95% for multifamily Residential users and 90% for all other users. The General Manager may establish modified percentages by estimation or based on an inspection of the Residential User's premises and water use. Residential Users may appeal their assigned Flow Factor pursuant to procedures set forth in applicable department regulations.

"General Manager"
The General Manager of the Public Utilities Commission or his or her designee

"Hydrocarbon Oil and Grease"
Hydrocarbon oil and grease (O/G) is the measurement of that fraction of recoverable oil and grease of petroleum origin using a test specified in 40 CFR Part 136.

"Industrial Wastes"
Any solid, liquid, or gaseous wastes including cooling water resulting from any industrial, commercial or manufacturing process or from the development, recovery, or processing of natural resources.

"Operations and Maintenance Costs"
Expenditures used for the collection, treatment and disposal of Sewage, Stormwater, Industrial Wastes and Other Wastes including, but not limited to, the costs of personnel, materials and supplies, energy and administration.

"Other Wastes"
All decayed wood, sawdust, shavings, bark, lime, refuse, ashes, garage, offal, oil, tar, chemicals, and all other substances except Sewage, Stormwater and Industrial Wastes.

"Residential Wastewater User"
The owner or customer of record of any single-family or multiple-family Dwelling Unit.

"Sewage"
Water-carried human wastes or a combination of water-carried human or industrial wastes from residences, commercial buildings, institutions, and industrial establishments, together with such ground, surface, storm or other wastes that may be present.

"Sewage System" or "Sewerage System"
The City's wastewater system including all properties (real, personal and tangible or intangible) owned, operated, maintained by and under the jurisdiction of the Commission used for collection, treatment and disposal of wastewater, including all future additions, extensions, replacements and improvements to the system.

"Standard Industrial Classification" or "SIC"
A coding system established by the United States government to classify businesses and industries. SIC codes are assigned based on common characteristics shared in the products, services, production and delivery system of a business.

"Stormwater"
Surface water originating from rainfall collected in the sewerage system.

"Total Suspended Solids"
The measurement of the amount of insoluble solids that either float on the surface of wastewater or are suspended in wastewater using a test specified in 40 CFR Part 136.

Section 3 – Unlawful Discharge

It shall be unlawful, except as herein provided, for any Customer to discharge Sewage, Stormwater, Industrial Wastes, or Other Wastes into the sewers or sewerage works of the City, unless such Customer shall pay the City its Customer Charge as hereinafter provided.

Section 4 – Customer Classification

a. Class Determination

Upon application for new service, each Customer shall be assigned to a Customer Class based on the City's evaluation of the Customer's waste discharge characteristics in accordance with the requirements of this resolution and applicable laws and regulations. Such Customer Class determination shall be based on the Customer's description of its current operation and use of the collection, treatment and disposal facilities of the City. Such description shall be subject to verification by the City.

b. Change in Classification

Customers requiring or requesting a change in their classification shall do so in writing within 30 days of a change in operations.

c. Unmetered Service

In circumstances where a Customer's discharge is not measured by metered water consumption, the General Manager is authorized to implement appropriate requirements and procedures for determining a Customer Charge consistent with the requirements of this resolution and applicable state and federal laws.

Section 5 – Enterprise Funds

Pursuant to Article V, Section 5.01 of the Indenture between the San Francisco Public Utilities Commission and U.S. Bank, NA, as trustee, all revenues of the Wastewater Enterprise shall be set aside and deposited into a fund in the City treasury (the Revenue Fund). All amounts paid into the Revenue Fund shall be maintained separate and apart from other City funds. Moneys in the Revenue Fund shall be appropriated and expended in accordance with the Indenture.

Section 6 – Billing Rates for Wastewater Customer Charges

The following schedules of customer charges to be paid by all dischargers to the City's Sewerage System are hereby adopted and imposed.

SCHEDULE A. This schedule shall apply to Single Family and Multi-Family Residential wastewater customers. The rates under this schedule are based upon the typical strengths for Domestic Wastes, as determined by the General Manager. All Residential wastewater users shall be charged on the basis of discharge units in accordance with the schedule of rates as follows:

Schedule A. Residential	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
Monthly Service Charge	$0.98	$2.19	$3.60	$5.21
Volume per Discharge Unit[1]	$13.06	$13.88	$14.89	$15.97

[1] Discharge Unit = 1 CCF of wastewater = 748 gallons

SCHEDULE B. Users other than Residential wastewater users charged under Schedule A of this Resolution (i.e. Non-Residential), shall be charged the cost for each parameter according to the following:

Schedule B. Non-Residential	Proposed			
	FYE 2019	FYE 2020	FYE 2021	FYE 2022
Volume per Discharge Unit[1,2]	$7.84	$8.29	$8.86	$9.46
PLUS Chemical Oxygen Demand (COD) per Pound	$0.519	$0.555	$0.599	$0.647
PLUS Total Suspended Solids (TSS) per Pound	$1.320	$1.412	$1.525	$1.647
PLUS Oil and Grease (O/G) per Pound	$1.331	$1.424	$1.538	$1.661

[1] Discharge Unit = 1 CCF of wastewater = 748 gallons

[2] Applicable to the volume of wastewater discharged in accordance with the rules and regulations of the Wastewater Enterprise

Those users whose parameter loadings are not based on periodic sampling shall be charged on the basis of standard parameter loadings established by the General Manager for each SIC code in accordance with applicable state and federal laws and regulations.

Section 6 – Drought Surcharge

If the Commission, at a publicly noticed meeting, adopts a resolution declaring a stage of water delivery reduction in accordance with the Retail Water Shortage Allocation Plan (i.e., Stage 1, Stage 2 or Stage 3), the following schedule of drought surcharges shall be applied to retail water rates as of the date of the Commission resolution or any effective date designated by the Commission. For residential customers, the surcharges shall be based on the assumption that the overall demand reduction is split evenly between Tier 1 and Tier 2. Each nonresidential customer shall incur the percent drought surcharge uniformly. The overall required surcharge is based on

the final formula: surcharge ($ per ccf) = Wastewater Revenue Shortfall from reduced flow/ Reduced Wastewater Flow.

Retail Water Shortage Allocation Plan Stage	Target Usage Reduction	Drought Surcharge on Volumetric Water/WW Rates
Stage 1	5 - 10%	Up to 10%
Stage 2	11 - 20%	Up to 20%
Stage 3	Over 20%	Up to 25%

The drought surcharges shall remain in effect until the Commission, at a publicly noticed meeting, adopts a resolution rescinding the water delivery reduction.

Section 7 – Effective Date

The rates for FYE 2019 adopted pursuant to Commission Resolution No. _____ shall be effective for water meter readings made on or after July 1, 2018 or as soon thereafter as possible. The rates for FYE 2020 adopted pursuant to the resolution shall be effective for water meter readings made on or after July 1, 2019. The rates for FYE 2021 adopted pursuant to the resolution shall be effective for water meter readings made on or after July 1, 2020. The rates for FYE 2022 adopted pursuant to the resolution shall be effective for water meter readings made on or after July 1, 2021, and shall remain in effect until repealed, modified or superseded.

X Reference Correction
18-0054

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0091

WHEREAS, On April 10, 2018, by Resolution No. 18-0054, this Commission adopted the new four-year schedule of rates for wastewater service in San Francisco, to take effect on or after July 1, 2018; and

WHEREAS, Both the April 10, 2018 Commission staff report on the proposed new wastewater rates and the Proposition 218 Notice mailed to all wastewater account holders included a new fixed monthly service charge to be imposed on both residential and nonresidential wastewater customers starting July 1, 2018; and

WHEREAS, Schedule A of the Wastewater Service Rates schedules, attached to Resolution No. 18-0054, properly included the fixed monthly service charge for residential customers, but staff inadvertently failed to include the same fixed monthly service charge for nonresidential customers in Schedule B, which was also attached to Resolution No. 18-0054; and

WHEREAS, SFPUC staff seeks the Commission's approval to correct Schedule B of the Wastewater Service Rates for FYE 2019 through FYE 2022 to include the previously proposed fixed monthly service charge for nonresidential customers to take effect July 1, 2018; and

WHEREAS, On March 26, 2018, the Planning Department determined that the adoption of wastewater rates by this Commission is statutorily exempt from the California Environmental Quality Act (CEQA) under Section 21080(b)(8) and CEQA Guidelines Section 15273 and this action is a clarification of this Commission's approval action on April 10, 2018 in Resolution No. 18-0054; now, therefore, be it

RESOLVED, That this Commission hereby approves correcting Schedule B of the Wastewater Service Rates attached to Resolution No. 18-0054, adopted by the Commission on April 10, 2018, to include a fixed monthly service charge, effective on or after July 1, 2018, in the following amounts: $0.98 in FYE 19, $2.19 in FYE 20, $3.60 in FYE 21, and $5.21 in FYE 22; and be it

FURTHER RESOLVED, That the fixed monthly service fee in corrected Schedule B shall remain in effect until repealed, modified or superseded.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

_____

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO.: 18-0055

WHEREAS, In accordance with Section 8B.125 of the Charter of the City and County of San Francisco, the San Francisco Public Utilities Commission retained an independent rate consultant, Carollo Engineers, which prepared the 2018 SFPUC Water and Wastewater Cost of Service Study; and

WHEREAS, The General Manager of the SFPUC and staff have reviewed the independent rate report, which has been submitted to the Rate Fairness Board for its review and posted to the sfwater.org website; and

WHEREAS, The Rate Fairness Board has reviewed the findings and recommendations of the General Manager's report and the independent consultant report and has prepared its own report and presented that report to this Commission on April 10, 2018; and

WHEREAS, The General Manager and the Rate Fairness Board find that, as of July 1, 2018, the existing water and wastewater capacity charges will be insufficient to recover a fair and proportional share of the cost to provide capacity, and recommend that the water capacity charge be adjusted to increase 35% per meter equivalent for the fiscal year beginning July 1, 2018, and that the wastewater capacity charge be adjusted to increase 4% per meter equivalent for the fiscal year beginning July 1, 2018; and

WHEREAS, Pursuant to the published notice of the intention of the SFPUC to adopt revised water and wastewater capacity charges, a public hearing was held on April 10, 2018, and members of the public were given an opportunity to express their views on the revised water and wastewater capacity charges; and

WHEREAS, On March 26, 2018, the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 21080(b)(8) and Section 15273 (Rates, Tolls, Fares, and Charges); now therefore; be it

RESOLVED, That this Commission hereby determines that water and wastewater capacity charges under existing schedules will be insufficient to recover a fair and proportional share of the cost to provide capacity beginning July 1, 2018, and therefore approves increasing the water capacity charge by 35% per meter equivalent for the fiscal year beginning July 1, 2018, and increasing the wastewater capacity charge by 4% per meter equivalent for the fiscal year beginning July 1, 2018; and be it

FURTHER RESOLVED, The Commission hereby approves the capacity charges schedules and requirements set forth in the attached Schedule of Water and Wastewater Capacity Charges, which is incorporated herein by reference.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

SCHEDULE OF WATER AND WASTEWATER CAPACITY CHARGES

EFFECTIVE JULY 1, 2018

(adopted April 10, 2018, pursuant to Commission Resolution No.: 18-0055)

Section 1 – Definitions

For the purpose of this Resolution, the following definitions shall apply unless the context specifically dictates otherwise.

"City" The City and County of San Francisco

"Commission" The San Francisco Public Utilities Commission

"Customer" Any person, firm, corporation, partnership, trust, or any other entity including, but not limited to, local, state and federal governments utilizing the services of the City's utility systems.

"Equivalent Meter" A measure of the capacity of a meter expressed as a ratio to the capacity of a 5/8 X 3/4 meter.

"General Manager" The General Manager of the Public Utilities Commission or his or her designee.

"Sewage System" or "Sewerage System" The City's wastewater system including all properties (real, personal and tangible or intangible) owned, operated, maintained by and under the jurisdiction of the Commission used for collection, treatment and disposal of wastewater, including all future additions, extensions, replacements and improvements to the system.

"Standard Industrial Classification" or "SIC" A coding system established by the United States government to classify businesses and industries. SIC codes are assigned based on common characteristics shared in the products, services, production and delivery system of a business.

"Water System"
The City's water system including all real properties (real, personal, and tangible or intangible) owned, operated, maintained by and under the jurisdiction of the Commission used for the gathering, impounding, treatment, transmission and distribution of water, including all future additions, extensions, replacements and improvements to the system.

Section 2 – Enterprise Funds

Pursuant to Article V, Section 5.01 of the Indenture between the San Francisco Public Utilities Commission and U.S. Bank, NA, as trustee, all revenues of the Water Enterprise shall be set aside and deposited into a fund in the City treasury (the Revenue Fund). All amounts paid into the Revenue Fund shall be maintained separate and apart from other City funds. Moneys in the Revenue Fund shall be appropriated and expended in accordance with the Indenture.

Pursuant to Article V, Section 5.01 of the Indenture between the San Francisco Public Utilities Commission and U.S. Bank, NA, as trustee, all revenues of the Wastewater Enterprise shall be set aside and deposited into a fund in the City treasury (the Revenue Fund). All amounts paid into the Revenue Fund shall be maintained separate and apart from other City funds. Moneys in the Revenue Fund shall be appropriated and expended in accordance with the Indenture.

Section 3 – Water Capacity Charge

A. Any Customer requesting a new connection to the water distribution system, or requiring additional capacity as a result of any addition, improvement, modification or change in use of an existing connection to the water distribution system shall pay a capacity charge. The capacity charge may not be sold, traded or conveyed in a manner to another site or customer. The capacity charge does not convey or imply ownership in or of any facilities of the Water System. Customers subject to payment of water capacity charges after July 1, 2018, shall pay the charges in accordance with the following table:

Table 1. Water Capacity Charges for FYE 2019

Meter Size	Capacity Charge
5/8 in	$1,821
3/4 in	$2,732
1 in	$4,553
1-1/2 in	$9,105
2 in	$14,569
3 in	$29,137
4 in	$45,527
6 in	$91,055
8 in	$145,687
10 in	$227,636
12 in	$391,534
16 in	$682,909

B. The capacity charge shall be adjusted on July 1st of each subsequent year by the annual change in the 20 City Average Construction Cost Index (CCI) published by ENR Magazine.

C. Customers subject to payment of the water capacity charge shall receive a prior use credit equal to the equivalent charge for the prior usage without regard to any time limit for such credit.

D. Customers subject to payment of the water capacity charge shall pay 100% of the charge prior to issuance of the applicable building permit. Any plan changes will result in a revised capacity charge payment.

E. Assessment of the applicable capacity charge will be based on the date that the General Manager receives the final permit application and building plans.

F. If full payment of all fees and charges is not received in accordance with the General Manager's payment requirements, the new or additional water services will not be authorized.

Section 4 – Wastewater Capacity Charge

A. Any Customer requesting a new connection to the Sewerage System, or requiring additional collection or treatment capacity as a result of any addition, improvement, modification or change in use of an existing connection to the Sewerage System shall pay a capacity charge. The capacity charge may not be sold, traded or conveyed in a manner to another site or customer. The capacity charge does not convey or imply ownership in or of any facilities of the Wastewater System. Customers subject to payment of wastewater capacity charges after July 1, 2014, shall pay the charges in accordance with the following tables:

Table 2a. FYE 2019 Wastewater Capacity Charges, SIC Groups 2-6

Meter Size	SIC Group 2	SIC Group 3	SIC Group 4	SIC Group 5	SIC Group 6
5/8 in	$3,902	$4,580	$4,780	$4,716	$4,515
3/4 in	$5,854	$6,870	$7,170	$7,074	$6,772
1 in	$9,756	$11,449	$11,951	$11,790	$11,287
1-1/2 in	$19,512	$22,899	$23,901	$23,580	$22,573
2 in	$31,219	$36,638	$38,242	$37,728	$36,118
3 in	$62,439	$73,275	$76,484	$75,456	$72,235
4 in	$97,561	$114,493	$119,506	$117,900	$112,867
6 in	$195,122	$228,986	$239,012	$235,800	$225,735
8 in	$312,195	$366,377	$382,418	$377,281	$361,176
10 in	$487,805	$572,464	$597,529	$589,501	$564,337
12 in	$839,024	$984,638	$1,027,749	$1,013,941	$970,659
16 in	$1,463,414	$1,717,393	$1,792,586	$1,768,503	$1,693,011

Table 2b. FYE 2019 Wastewater Capacity Charges, SIC Groups 7-11

Meter Size	SIC Group 7	SIC Group 8	SIC Group 9	SIC Group 10	SIC Group 11
5/8 in	$5,350	$5,544	$5,750	$6,177	$11,511
3/4 in	$8,024	$8,315	$8,625	$9,266	$17,266
1 in	$13,374	$13,859	$14,375	$15,444	$28,776
1-1/2 in	$26,748	$27,718	$28,750	$30,887	$57,553
2 in	$42,797	$44,348	$46,000	$49,420	$92,084
3 in	$85,593	$88,696	$92,000	$98,839	$184,168
4 in	$133,739	$138,588	$143,750	$154,436	$287,763
6 in	$267,479	$277,175	$287,499	$308,873	$575,526
8 in	$427,966	$443,481	$459,999	$494,196	$920,841
10 in	$668,697	$692,938	$718,748	$772,182	$1,438,815
12 in	$1,150,159	$1,191,854	$1,236,246	$1,328,153	$2,474,761
16 in	$2,006,092	$2,078,815	$2,156,243	$2,316,546	$4,316,444

B. The capacity charge shall be adjusted on July 1st of each subsequent year by the annual change in the 20 City Average Construction Cost Index (CCI) published by ENR Magazine.

C. Customers subject to payment of the wastewater capacity charge shall receive a prior use credit equal to the equivalent charge for the prior usage without regard to any time limit for such credit.

D. Customers subject to payment of the wastewater capacity charge shall pay 100% of the charge prior to issuance of the applicable building permit. Any plan changes will result in a revised capacity charge payment.

E. Assessment of the applicable capacity charge will be based on the date that the General Manager receives the final permit application and building plans.

F. If full payment of all fees and charges is not received in accordance with the General Manager's payment requirements, the new or additional wastewater services will not be authorized.

Section 5 – Effective Date

The capacity charges set forth herein and adopted pursuant to Commission Resolution No. _____ shall be effective for permit applications and building plans received by the General Manager on and after July 1, 2018. Thereafter, in accordance with Sections 3B and 4B of this resolution, the adjusted capacity charge for each subsequent year shall be effective for permit applications and building plans received by the General Manager on and after July 1st of that subsequent year.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: **18-0056**

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program called CleanPowerSF through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, The complementary objectives of CleanPowerSF are to reduce greenhouse gas emissions, and to provide the City's energy consumers with renewable electricity supplies while remaining cost competitive with Pacific Gas and Electric Company's (PG&E) products, including, if approved after environmental review, the build-out of local energy resources such as energy efficiency and renewable power projects; and

WHEREAS, The SFPUC intends that CleanPowerSF retail rates be set to meet program operating costs, repay debt, meet financial targets for reserves and debt-service coverage ratios, and obligations pursuant to CleanPowerSF power supply contracts and credit agreements; and

WHEREAS, The proposed rates conform to the CleanPowerSF Rate Setting Policy and the Commission's Ratepayer Assurance Policy; and

WHEREAS, CleanPowerSF rates are proposed to be an estimated 2% below PG&E rates for its default electricity generation service based on PG&E's current rates, less pass-through customer charges including PG&E's Power Charge Indifference Adjustment (PCIA) and Franchise Fee Surcharge (FFS), and adjusted annually to the extent necessary to reflect changes to operational costs and changes to PG&E's rates for comparable products, less PG&E's PCIA and FFS charges; and

WHEREAS, Adjustments to the CleanPowerSF 100% renewable "SuperGreen" product premium are proposed to keep rates competitive with PG&E's Solar Choice product offering; and

WHEREAS, The proposed revisions in CleanPowerSF "Green" and "SuperGreen" rates are recommended to (1) support funding of CleanPowerSF's financial reserves complying with rate and debt service coverage ratios; and (2) meet or beat comparable PG&E rates in advance of launching the next major CleanPowerSF enrollment phase in July 2018, consistent with the Commission-adopted CleanPowerSF Phasing Policy; and

WHEREAS, The Termination Fees for residential and commercial customers are proposed to be $0 during citywide enrollment through December 31, 2019; and

WHEREAS, PG&E's rates are authorized by the California Public Utilities Commission (CPUC); and

WHEREAS, The CPUC permits PG&E to levy the PCIA on the bills of customers who switch to CleanPowerSF, in order to recover PG&E's above market generation costs incurred prior to a customer's switch from its generation service; and

WHEREAS, The FFS is a surcharge imposed by PG&E on its customers to recover franchise fees charged by cities and counties; and

WHEREAS, Pursuant to Charter Section 16.112, a Notice of hearing on the proposal to adopt a schedule of rates was published in the official newspaper on March 11th, 14th, 15th, 18th and 21st, 2018, and posted on the SFPUC website and at the San Francisco Public Library, as required, for a public hearing on April 10, 2018; and

WHEREAS, Charter section 8B.125 requires the Commission to set rates and charges, subject to rejection by the Board of Supervisors, within 30 days of submission; and

WHEREAS, On March 26, 2018, the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 21080(b)(8) and Section 15273 (Rates, Tolls, Fares, and Charges); now, therefore, be it

RESOLVED, This Commission hereby sets the rates and charges as presented in Exhibit 1:Schedule of CleanPowerSF Electric Rates and Charges and Exhibit 2: CleanPowerSF Termination Fees, both attached hereto and both to take effect on July 1, 2018 and to remain in effect until replaced or revised; and be it

FURTHER RESOLVED, Effective July 1, 2018, and each successive July 1 thereafter, the General Manager is authorized to adjust rates not otherwise adjusted by Commission action by the annual percentage change in the Consumer Price Index (CPI) for All Urban Consumers for San Francisco-Oakland-San Jose published by the U.S. Bureau of Labor Statistics (for the twelve months ended December 31 in the calendar year preceding the year during which the rates will be effective); and be it

FURTHER RESOLVED, This Commission directs the General Manager to conduct a cost-of-service review concurrent with the standard Power Enterprise cost of service review no less than every five years and propose revised rates, as required by Charter Section 8B.125; and be it

FURTHER RESOLVED, That all other necessary rate adjustments will be conducted consistent with the process established by Charter Section 8B.125; and be it

FURTHER RESOLVED, This Commission hereby finds that adoption of this resolution will establish rates for the purpose of meeting operating expenses, including the recovery of program reserves and allow for CleanPowerSF to be financially stable, and that adoption of the resolution is exempt from environmental review requirements in accordance with California Public Resource Code Section 21080(b)(8); and be it

FURTHER RESOLVED, This Commission directs the General Manager to submit these rates and charges to the Board of Supervisors, as required by Charter Section 8B.125.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

Exhibit 1: Schedule of CleanPowerSF Electric Rates and Charges
Effective July 1, 2018

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	PG&E Generation Rate ($) (March 1, 2018)	PCIA & Franchise Fee	Green Rate ($)	SuperGreen Rate ($)	Billing Determinant
Non-Time of Use Residential (E-1)	E1, E1L, EM, EML, ES, ESL, ESR, ESRL, ET, and ETL	Year round	All hours	0.10780	0.03401	0.07163	0.08663	kWh
Residential Time of Use (1) (E-6)	E-6	Summer	Peak	0.23774	0.03401	0.19898	0.21398	kWh
			Part Peak	0.12489	0.03401	0.08838	0.10338	kWh
			Off Peak	0.07883	0.03401	0.04324	0.05824	kWh
		Winter	Part Peak	0.10440	0.03401	0.06830	0.08330	kWh
			Off Peak	0.09173	0.03401	0.05589	0.07089	kWh
Residential Time of Use A (E-TOU A)	E-TOU A	Summer	Peak	0.19050	0.03401	0.15268	0.16768	kWh
			Off Peak	0.11493	0.03401	0.07862	0.09362	kWh
		Winter	Peak	0.10316	0.03401	0.06709	0.08209	kWh
			Off Peak	0.08887	0.03401	0.05308	0.06808	kWh
Residential Time of Use B (E-TOU B)	E-TOU B	Summer	Peak	0.21238	0.03401	0.17412	0.18912	kWh
			Off Peak	0.10932	0.03401	0.07312	0.08812	kWh
		Winter	Peak	0.10554	0.03401	0.06942	0.08442	kWh
			Off Peak	0.08674	0.03401	0.05100	0.06600	kWh
Residential Time of Use C (E-TOU C)	E-TOU C	Summer	Peak	0.16645	0.03401	0.12911	0.14411	kWh
			Off Peak	0.10301	0.03401	0.06694	0.08194	kWh
		Winter	Peak	0.10999	0.03401	0.07378	0.08878	kWh
			Off Peak	0.09266	0.03401	0.05680	0.07180	kWh
Electric Vehicle Time-of-Use Service (EV)	EVA, EVB	Summer	Peak	0.24674	0.03401	0.20780	0.22280	kWh
			Part Peak	0.11891	0.03401	0.08252	0.09752	kWh
			Off Peak	0.05976	0.03401	0.02455	0.03955	kWh
		Winter	Peak	0.09220	0.03401	0.05635	0.07135	kWh
			Part Peak	0.05761	0.03401	0.02245	0.03745	kWh
			Off Peak	0.06189	0.03401	0.02664	0.04164	kWh
Residential Multi Meter Standby	SEM	Year round	Reservation Charge	0.42	-	0.41	0.41	kW
			All hours	0.1078	0.03401	0.07163	0.08663	kWh
Small General Service (A-1)	A-1 A	Summer	All hours	0.12570	0.02528	0.09791	0.10791	kWh
		Winter	All hours	0.08648	0.02528	0.05947	0.06947	kWh
Small General Service (A-1TOU)	A-1 B	Summer	Peak	0.13984	0.02528	0.11176	0.12176	kWh
			Part Peak	0.11619	0.02528	0.08859	0.09859	kWh
			Off Peak	0.08884	0.02528	0.06178	0.07178	kWh
		Winter	Part Peak	0.11600	0.02528	0.08840	0.09840	kWh
			Off Peak	0.09508	0.02528	0.06790	0.07790	kWh
Small General Time-of-Use Service (A-6)	A-6	Summer	Peak	0.37744	0.02528	0.34461	0.35461	kWh
			Part Peak	0.13786	0.02528	0.10982	0.11982	kWh
			Off Peak	0.07957	0.02528	0.05270	0.06270	kWh
		Winter	Part Peak	0.10503	0.02528	0.07765	0.08765	kWh
			Off Peak	0.08754	0.02528	0.06051	0.07051	kWh
Direct-Current General Service (A-15)	A-15	Summer	All hours	0.12570	0.02528	0.09791	0.10791	kWh
		Winter	All hours	0.08648	0.02528	0.05947	0.06947	kWh
Medium General Demand Non-Time of Use - Secondary Voltage (A-10AS)	A-10 A	Summer	All hours	0.11614	0.02568	0.08814	0.09314	kWh
		Winter	All hours	0.08916	0.02568	0.06170	0.06670	kWh
		Summer	Demand	5.41000	-	5.30	5.30	kW
Med. General Demand Non-Time of Use - Primary Voltage (A-10AP)		Summer	All hours	0.10620	0.02568	0.07840	0.08340	kWh
		Winter	All hours	0.08282	0.02568	0.05548	0.06048	kWh
		Summer	Demand	4.70000	-	4.61	4.61	kW
Med. General Demand Non-Time of Use - Transmission (A-10AT)		Summer	All hours	0.09638	0.02568	0.06877	0.07377	kWh
		Winter	All hours	0.07608	0.02568	0.04888	0.05388	kWh
		Summer	Demand	3.69000	-	3.62	3.62	kW
Medium General Demand Time of Use - Secondary Voltage (A-10BS)	A-10 B	Summer	Peak	0.17002	0.02568	0.14094	0.14594	kWh
			Part Peak	0.11489	0.02568	0.08691	0.09191	kWh
			Off Peak	0.08682	0.02568	0.05940	0.06440	kWh
		Winter	Part Peak	0.09895	0.02568	0.07129	0.07629	kWh
			Off Peak	0.08188	0.02568	0.05456	0.05956	kWh
		Summer	Demand	5.41000	-	5.30	5.30	kW
Medium General Demand Time of Use - Primary Voltage (A-10BP)		Summer	Peak	0.15813	0.02568	0.12929	0.13429	kWh
			Part Peak	0.10757	0.02568	0.07974	0.08474	kWh
			Off Peak	0.08094	0.02568	0.05364	0.05864	kWh
		Winter	Part Peak	0.09387	0.02568	0.06631	0.07131	kWh
			Off Peak	0.07799	0.02568	0.05075	0.05575	kWh
		Summer	Demand	4.70000	-	4.61	4.61	kW
Medium General Demand Time of Use - Transmission (A-10BT)		Summer	Peak	0.14390	0.02568	0.11534	0.12034	kWh
			Part Peak	0.09703	0.02568	0.06941	0.07441	kWh
			Off Peak	0.07172	0.02568	0.04461	0.04961	kWh
		Winter	Part Peak	0.08524	0.02568	0.05786	0.06286	kWh
			Off Peak	0.07066	0.02568	0.04357	0.04857	kWh
		Summer	Demand	3.69000	-	3.62	3.62	kW

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	PG&E Generation Rate ($) (March 1, 2018)	PCIA & Franchise Fee	Green Rate ($)	SuperGreen Rate ($)	Billing Determinant
Medium General Demand Time of Use - Secondary (E-19S)	E-19	Summer	Peak	0.13766	0.02165	0.11326	0.11826	kWh
			Part Peak	0.09324	0.02165	0.06973	0.07473	kWh
			Off Peak	0.06382	0.02165	0.04089	0.04589	kWh
			Max Peak Demand	13.86000	-	13.58	13.58	kW
			Max Part Peak Demand	3.42000	-	3.35	3.35	kW
		Winter	Part Peak	0.08715	0.02165	0.06376	0.06876	kWh
			Off Peak	0.07112	0.02165	0.04805	0.05305	kWh
Medium General Demand Time of Use - Primary (E-19P)		Summer	Peak	0.12751	0.02165	0.10331	0.10831	kWh
			Part Peak	0.08546	0.02165	0.06210	0.06710	kWh
			Off Peak	0.05843	0.02165	0.03561	0.04061	kWh
			Max Peak Demand	12.37000	-	12.12	12.12	kW
			Max Part Peak Demand	3.01000	-	2.95	2.95	kW
		Winter	Part Peak	0.07978	0.02165	0.05653	0.06153	kWh
			Off Peak	0.06511	0.02165	0.04216	0.04716	kWh
Medium General Demand Time of Use - Transmission (E-19T)		Summer	Peak	0.09096	0.02165	0.06749	0.07249	kWh
			Part Peak	0.07669	0.02165	0.05351	0.05851	kWh
			Off Peak	0.05780	0.02165	0.03499	0.03999	kWh
			Max Peak Demand	14.06000	-	13.78	13.78	kW
			Max Part Peak Demand	3.53000	-	3.46	3.46	kW
		Winter	Part Peak	0.07893	0.02165	0.05570	0.06070	kWh
			Off Peak	0.06442	0.02165	0.04148	0.04648	kWh
Medium General Demand Time of Use - Secondary With Qualifying Solar PV (E-19-S-R)		Summer	Peak	0.29098	0.02165	0.26351	0.26851	kWh
			Part Peak	0.12891	0.02165	0.10468	0.10968	kWh
			Off Peak	0.06382	0.02165	0.04089	0.04589	kWh
		Winter	Part Peak	0.08715	0.02165	0.06376	0.06876	kWh
			Off Peak	0.07112	0.02165	0.04805	0.05305	kWh
Medium General Demand Time of Use - Primary With Qualifying Solar PV (E-19-P-R)		Summer	Peak	0.27796	0.02165	0.25075	0.25575	kWh
			Part Peak	0.11993	0.02165	0.09588	0.10088	kWh
			Off Peak	0.05843	0.02165	0.03561	0.04061	kWh
		Winter	Part Peak	0.07978	0.02165	0.05653	0.06153	kWh
			Off Peak	0.06511	0.02165	0.04216	0.04716	kWh
Medium General Demand Time of Use - Transmission With Qualifying Solar PV (E-19-T-R)		Summer	Peak	0.27686	0.02165	0.24967	0.25467	kWh
			Part Peak	0.12054	0.02165	0.09648	0.10148	kWh
			Off Peak	0.05780	0.02165	0.03499	0.03999	kWh
		Winter	Part Peak	0.07893	0.02165	0.05570	0.06070	kWh
			Off Peak	0.06442	0.02165	0.04148	0.04648	kWh
Service to Max Demands >1,000 kW Time of Use - Secondary Voltage (E-20S)	E-20	Summer	Peak	0.12784	0.02083	0.10445	0.11445	kWh
			Part Peak	0.08747	0.02083	0.06489	0.07489	kWh
			Off Peak	0.05976	0.02083	0.03773	0.04773	kWh
			Max Peak Demand	13.41000	-	13.14	13.14	kW
			Max Part Peak Demand	3.31000	-	3.24	3.24	kW
		Winter	Part Peak	0.08161	0.02083	0.05915	0.06915	kWh
			Off Peak	0.06659	0.02083	0.04443	0.05443	kWh
Service to Max Demands >1,000 kW Time of Use - Primary Voltage (E-20P)		Summer	Peak	0.13073	0.01944	0.10868	0.11868	kWh
			Part Peak	0.08623	0.01944	0.06507	0.07507	kWh
			Off Peak	0.05886	0.01944	0.03824	0.04824	kWh
			Max Peak Demand	14.72000	-	14.43	14.43	kW
			Max Part Peak Demand	3.48000	-	3.41	3.41	kW
		Winter	Part Peak	0.08037	0.01944	0.05932	0.06932	kWh
			Off Peak	0.06558	0.01944	0.04483	0.05483	kWh
Service to Max Demands >1,000 kW Time of Use - Transmission (E-20T)		Summer	Peak	0.08550	0.01786	0.06593	0.07593	kWh
			Part Peak	0.07209	0.01786	0.05279	0.06279	kWh
			Off Peak	0.05434	0.01786	0.03539	0.04539	kWh
			Max Peak Demand	17.42000	-	17.07	17.07	kW
			Max Part Peak Demand	4.15000	-	4.07	4.07	kW
		Winter	Part Peak	0.07420	0.01786	0.05486	0.06486	kWh
			Off Peak	0.06056	0.01786	0.04149	0.05149	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Secondary E-20-S-R		Summer	Peak	0.26514	0.02083	0.23901	0.24901	kWh
			Part Peak	0.12067	0.02083	0.09743	0.10743	kWh
			Off Peak	0.05976	0.02083	0.03773	0.04773	kWh
		Winter	Part Peak	0.08161	0.02083	0.05915	0.06915	kWh
			Off Peak	0.06659	0.02083	0.04443	0.05443	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Primary E-20-P-R		Summer	Peak	0.28229	0.01944	0.25720	0.26720	kWh
			Part Peak	0.11956	0.01944	0.09773	0.10773	kWh
			Off Peak	0.05886	0.01944	0.03824	0.04824	kWh
		Winter	Part Peak	0.08037	0.01944	0.05932	0.06932	kWh
			Off Peak	0.06558	0.01944	0.04483	0.05483	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Transmission E-20-T-R		Summer	Peak	0.27362	0.01786	0.25029	0.26029	kWh
			Part Peak	0.11193	0.01786	0.09183	0.10183	kWh
			Off Peak	0.05434	0.01786	0.03539	0.04539	kWh
		Winter	Part Peak	0.07420	0.01786	0.05486	0.06486	kWh
			Off Peak	0.06056	0.01786	0.04149	0.05149	kWh

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	PG&E Generation Rate ($) (March 1, 2018)	PCIA & Franchise Fee	Green Rate ($)	SuperGreen Rate ($)	Billing Determinant
Customer-Owned Street and Highway Lighting Customer-Owned Street and Highway Lighting Electrolier Meter Rate Outdoor Area Lighting Services (LS-1)	LS-2, LS-3, OL-1	Year round	All hours	0.08753	0.0065	0.07928	0.08928	kWh
Traffic Control Service (TC-1)	TC-1	Year round	All hours	0.09504	0.02527	0.06787	0.07787	kWh
Agricultural Power (AG-1)	AG-1 A	Summer	All hours	0.10874	0.02516	0.08141	0.09141	kWh
			Connected Load	1.49000	-	1.46	1.46	kW
		Winter	All hours	0.08721	0.02516	0.06031	0.07031	kWh
	AG-1 B	Summer	All hours	0.11198	0.02516	0.08458	0.09458	kWh
			Max Demand	2.24000	-	2.20	2.20	kW
			Primary Voltage Disc.	0.83000	-	0.81	0.81	kW
		Winter	All hours	0.08729	0.02516	0.06038	0.07038	kWh
Agricultural Power, Time-of-Use (AG-4A)	AG-4 A, AG-4 D	Summer	Peak	0.17399	0.02516	0.14535	0.15535	kWh
			Off Peak	0.07511	0.02516	0.04845	0.05845	kWh
			Connected Load	1.48000	-	1.45	1.45	kW
		Winter	Part Peak	0.07960	0.02516	0.05285	0.06285	kWh
			Off Peak	0.06782	0.02516	0.04130	0.05130	kWh
Agricultural Power, Time-of-Use (AG-4B)	AG-4 B, AG-4 E	Summer	Peak	0.13325	0.02516	0.10543	0.11543	kWh
			Off Peak	0.07734	0.02516	0.05063	0.06063	kWh
			Max Demand	2.62000	-	2.57	2.57	kW
			Max Peak Demand	2.78000	-	2.72	2.72	kW
			Primary Voltage Disc. (per Max Demand)	0.65000	-	0.65	0.65	kW
		Winter	Part Peak	0.07542	0.02516	0.04875	0.05875	kWh
			Off Peak	0.06417	0.02516	0.03773	0.04773	kWh
Agricultural Power, Time-of-Use (AG-4C)	AG-4 C, AG-4 F	Summer	Peak	0.15377	0.02516	0.12553	0.13553	kWh
			Part Peak	0.08705	0.02516	0.06015	0.07015	kWh
			Off Peak	0.06281	0.02516	0.03639	0.04639	kWh
			Max Peak Demand	6.45000	-	6.32	6.32	kW
			Max Part Peak Demand	1.10000	-	1.08	1.08	kW
			Primary Voltage Disc. (per Max Peak Demand)	1.12000	-	1.12	1.12	kW
			Trans. Volt. Disc. (per Max Peak Demand)	2.06000	-	2.06	2.06	kW
			Trans. Volt. Disc. (per Max Part Peak Demand)	-0.02000	-	(0.02)	(0.02)	kW
		Winter	Part Peak	0.06969	0.02516	0.04314	0.05314	kWh
			Off Peak	0.05928	0.02516	0.03293	0.04293	kWh
Large Time-of-Use Agricultural Power (AG-5A)	AG-5 A, AG-5 D	Summer	Peak	0.16283	0.02516	0.13441	0.14441	kWh
			Off Peak	0.08051	0.02516	0.05374	0.06374	kWh
			Connected Load	4.05000	-	3.97	3.97	kW
		Winter	Part Peak	0.08432	0.02516	0.05747	0.06747	kWh
			Off Peak	0.07191	0.02516	0.04531	0.05531	kWh
Large Time-of-Use Agricultural Power (AG-5B)	AG-5 B, AG-5 E	Summer	Peak	0.15904	0.02516	0.13070	0.14070	kWh
			Off Peak	0.05347	0.02516	0.02724	0.03724	kWh
			Max Demand	4.87000	-	4.77	4.77	kW
			Max Peak Demand	6.10000	-	5.98	5.98	kW
			Primary Voltage Disc. (per Max Demand)	1.53000	-	1.53	1.53	kW
			Trans. Volt. Disc. (per Max Demand)	2.66000	-	2.66	2.66	kW
		Winter	Part Peak	0.07547	0.02516	0.04880	0.05880	kWh
			Off Peak	0.04437	0.02516	0.01832	0.02832	kWh
Large Time-of-Use Agricultural Power (AG-5C)	AG-5 C, AG-5 F	Summer	Peak	0.13183	0.02516	0.10403	0.11403	kWh
			Part Peak	0.07612	0.02516	0.04944	0.05944	kWh
			Off Peak	0.05538	0.02516	0.02911	0.03911	kWh
			Max Peak Demand	11.31000	-	11.08	11.08	kW
			Max Part Peak Demand	2.13000	-	2.09	2.09	kW
			Primary Voltage Disc. (per Max Peak Demand)	2.33000	-	2.28	2.28	kW
			Trans. Volt. Disc. (per Max Peak Demand)	4.36000	-	4.27	4.27	kW
		Winter	Part Peak	0.06159	0.01249	0.04787	0.05787	kWh
			Off Peak	0.05217	0.01249	0.03864	0.04864	kWh
Standby Service - Secondary and Primary Voltage	Applies to Full Standby customers under Rate Schedule S. All partial standby customers are billed at their Otherwise Applicable Schedule ("OAS") rate	Year round	Reservation Charge	0.42000	-	0.41	0.41	kW
		Summer	Peak	0.10947	0.01246	0.09482	0.10482	kWh
			Part Peak	0.09210	0.01246	0.07780	0.08780	kWh
			Off Peak	0.06937	0.01246	0.05552	0.06552	kWh
		Winter	Part Peak	0.09487	0.01246	0.08051	0.09051	kWh
			Off Peak	0.07726	0.01246	0.06325	0.07325	kWh
Standby Service - Transmission Voltage		Year round	Reservation Charge	0.35000	-	0.34	0.34	kW
		Summer	Peak	0.09192	0.01246	0.07762	0.08762	kWh
			Part Peak	0.07749	0.01246	0.06348	0.07348	kWh
			Off Peak	0.05841	0.01246	0.04478	0.05478	kWh
		Winter	Part Peak	0.07976	0.01246	0.06570	0.07570	kWh
			Off Peak	0.06511	0.01246	0.05135	0.06135	kWh
NEM-CleanPowerSF Net Surplus Compensation Rates	NEM-CleanPowerSF	N/A	All hours	N/A	N/A	N/A	0.08930	kWh

Exhibit 2: CleanPowerSF Termination Fees
Effective July 1, 2018

	Residential	Non-Residential
Within Statutory Notification/Opt-Out Period	$0	$0
After Statutory Notification/Opt-Out Period Ends (60 days after service commencement)	~~$5~~ $0	~~$25~~ $0

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0057**

WHEREAS, On March 27, 2012, by Resolution 12-0051, this Commission awarded Agreement No. CS-224.A, System Integration and Support Services – Related to Project Controls to MLok Consulting, Inc. (MLok), and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in the amount of $4,500,000 and with a term of six years, concluding on April, 23, 2018; and

WHEREAS, Amendment No. 1 was issued by staff pursuant to Resolution No. 09-0017 for $850,000, increasing the total not-to-exceed agreement amount to $5,350,000, with no change to the agreement duration, in order to continue providing the SFPUC with continued specialized system integration and support services to implement and improve the delivery of its Capital Improvement Programs (CIPs) and Capital Projects for all enterprises; and

WHEREAS, This Commission, by Resolution No. 17-0130, approved Amendment No. 2 for $750,000, increasing the total not-to-exceed agreement amount to $6,100,000, in order to continue providing the SFPUC with specialized system integration and support services and to assist with existing systems as the SFPUC transitions into implementation of the new PeopleSoft Financials and Supply Chain Management System; and

WHEREAS, Amendment No. 3 is being requested for $1,500,000, increasing the total not-to-exceed agreement amount to $7,600,000, and extending the contract duration by two years for a total contract duration of eight years, in order to continue providing the SFPUC with specialized system integration and support services and to assist with existing systems as the SFPUC transitions into implementation of the new PeopleSoft Financials and Supply Chain Management System; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 17% Local Business Enterprise participation (of the total value of services to be provided) for this agreement and MLok has committed to meet that requirement; and

WHEREAS, Funds for this agreement are available from various SFPUC CIPs and projects including the Sewer System Improvement Program and Hetchy Capital Improvements projects; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 3 to Agreement No. CS-224.A, System Integration and Support Services – Related to Project Controls, with MLok Consulting, Inc. to provide the SFPUC with continued specialized system integration and support services in order to implement and improve the delivery of its Capital Improvement Programs and Capital Projects for all SFPUC Enterprises; and authorizes the General Manager of the SFPUC to execute this amendment increasing the agreement by $1,500,000, for a total not-to-exceed agreement amount of $7,600,000, and extending the contract duration by two years, for a total duration of eight years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0058**

WHEREAS, Hetchy Capital Improvement Projects Contract funded No. HH-980, Lower Cherry Aqueduct Rehabilitation – Phase 1 was advertised on December 29, 2017; and

WHEREAS, The Engineer's Estimate is $2,405,896 for this construction contract work to complete repairs along the Lower Cherry Aqueduct System, including work at Cherry Creek Diversion Dam, open canal reaches, pipe aerial crossing, and forebay; and

WHEREAS, The contract duration is 270 consecutive calendar days; and

WHEREAS, Four (4) bids were received and opened publicly on February 1, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff's review of the bids for qualifications, responsibility, and responsiveness resulted in the establishment of K.W. Emerson, Inc., as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, The Local Business Enterprise subcontracting requirement is not applicable to this contract as a result of the anticipated state grant and Federal Emergency Management Agency (FEMA) funding; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10014068, Lower Cherry Aqueduct Rehabilitation – Phase 1; and the SFPUC will seek reimbursement of up to $2,005,000 for project costs through the Association of Bay Area Governments / San Francisco Estuary Partnership and SFPUC Prop. 84 State Grant Fund – Integrated Regional Water Management Grant Program, Department of Water Resources Agreement No. 4600010883, and potential reimbursement from insurance FEMA for facilities damaged by the Rim Fire; and

WHEREAS, The Planning Department issued two statutory exemptions for this Project on January 31, 2014 and March 4, 2014. The determinations stated that the Project was exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15269(a) Emergency Projects (due to the State Rim Fire and Drought Emergency Declarations). On February 2, 2018, the Planning Department determined that additional work required on the basis of a subsequent more detailed assessment of the Rim Fire damage is exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 15302, Class 2 (Replacement and Reconstruction); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Hetchy Capital Improvement Program funded Contract No. HH-980, Lower Cherry Aqueduct Rehabilitation – Phase 1, in the amount of $2,946,868, for a duration of 270 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, K.W. Emerson, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0059**

WHEREAS, Hetchy Capital Improvement Projects funded Contract No. HH-992, Modesto Transmission Line Clearance Mitigation was advertised on December 15, 2017; and

WHEREAS, The Engineer's Estimate is $1,720,000 for this construction contract work to perform modifications to existing transmission towers including portions of Lines 7&8 from Warnerville Switchyard to Standiford Substation and Lines 3&4 from Standiford Substation to Newark Substation in order to provide required conductor clearances and

WHEREAS, The contract duration is 240 consecutive calendar days; and

WHEREAS, Two (2) bids were received and opened publicly on January 25, 2018; and

WHEREAS, the San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness, and the application of bid preferences, resulted in the establishment of Big Valley Electric as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 16% for this contract, and the contractor committed to a LBE participation of 16.05% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10014089, Transmission Line Clearance Mitigation Project; and

WHEREAS, On August 15, 2017 the Planning Department determined that the project is categorically exempt from the California Environmental Quality Act (CEQA) Guidelines under Section 15301, Class 1 (Existing Facilities); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Hetchy Capital Improvement Projects-funded Contract No. HH-992, Modesto Transmission Line Clearance Mitigation, in the amount of $1,711,000, for a duration of 240 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Big Valley Electric.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0060**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP)-funded Contract No. WW-605R, Mission and Valencia Streets Green Gateway, by the contractor, Anvil Builders, Inc.; and

WHEREAS, On November 10, 2015, per Resolution No. 15-0236, this Commission approved the award of SSIP-funded Contract No. WW-605R, Mission and Valencia Streets Green Gateway, to Anvil Builders, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for February 8, 2016; and

WHEREAS, The original contract amount was for $2,949,013 with a contract duration of 360 consecutive calendar days; and

WHEREAS, On December 13, 2016, per Resolution No. 16-0248, this Commission approved an increase to the existing contract cost contingency in the amount of $262,781 for a total, revised contract amount of $3,503,914; and

WHEREAS, On February 28, 2017, per Resolution No. 17-0034, this Commission approved an increase to the existing contract duration of 60 consecutive calendar days for a total, revised contract duration of 420 consecutive calendar days; and

WHEREAS, On April 11, 2017, per Resolution No. 17-0072, this Commission approved an increase to the existing contract contingency in the amount of $137,000, increasing the contract to an amount up to $3,630,914 and to increase the existing duration contingency by 55 consecutive calendar days, for a total, revised contract duration of up to 475 consecutive calendar days; and

WHEREAS, Modification No. 8 (Final) is requested for a $64,965 reduction of the contract amount, and with a time extension of 257 consecutive calendar days, to replace the curb and sidewalk at raised cycle track, perform raised cycle track modifications, resolve SFPUC Water Enterprise (WE) delays, assist with additional WE work on Fair Avenue, install temporary paving in the vicinity of Bioretention Planter No. 3, and to reconcile final bid item quantities, decreasing the total contract amount to $3,496,041, and increasing the total contract duration to 677 consecutive calendar days (approximately one year and eleven months); and

WHEREAS, The Contract Monitoring Division (CMD) has determined that the contractor has made a good faith effort to comply with subcontracting goal by achieving a Final Local Business Enterprise participation of 10.53%; and

WHEREAS, Funds are available from (i) SFPUC-SSIP, Project No. CWWS1PFCDB09; (ii) SFPUC-SFWD, Project No. CUW280; (iii) SFPW-Paving, Project No. 2464J; and (iv) SFMTA-Livable Streets, Project No. CPKH71-D112LS; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Anvil Builders, Inc. for WWE, SSIP-funded Contract No. WW-605R, Mission and Valencia Streets Green Gateway; approves Modification No. 8 (Final), reducing the contract amount by $64,965 and increasing the contract duration by 257 consecutive calendar days, for a total contract amount of $3,496,041, and a total contract duration of 677 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0061**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-609R, Holloway Green Street Stormwater Improvements, by the contractor, M Squared Construction, Inc.; and

WHEREAS, On September 22, 2015, by Resolution No. 15-0193, this Commission awarded Contract No. WW-609R, Holloway Green Street Stormwater Improvements to the lowest, qualified, responsible, and responsive bidder, M Squared Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for January 21, 2016; and

WHEREAS, The original contract amount was for $5,591,892 and the original contract duration was 545 consecutive calendar days; and

WHEREAS, Modification Nos. 1-6 were issued increasing the contract amount by $528,773 to $6,120,665 and increasing the contract duration by 50 consecutive calendar days to 595 consecutive calendar days to furnish and install additional crushed rock bedding for the new sewer main and joint wrap for the new water main, an additional sewer main replacement along Holloway Avenue between Brighton to Miramar Avenues, additional trench dams, and coordination and support of SFWD, an additional water main and services along Holloway Avenue from Head Street to Ashton Avenue, inlet frames and outlet structures, additional catch basins on Ashton Avenue, concrete base T-trenches and for City permits fees, and partial bid item reconciliation; and

WHEREAS, Modification No. 7 (Final) is requested for a $241,059 reduction decreasing the total contract amount to $5,879,607, and a time extension of 86 calendar days for a total contract duration to 681 calendar days (approximately one year and ten months); and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 11% for this contract and the Contractor committed to a LBE participation of 11.37% with its bid submittal; CMD has determined that M Squared Construction, Inc. has complied the with subcontracting goal by achieving a final LBE participation of 11.41%; and

WHEREAS, Funds are available from (i) SFPUC-SSIP, Project No. CWWSIPFCDB03; (ii) SFWD, Project No. WTRX5WAAAACP; and (iii) WWE R&R, Project No. CWWRNRCSE1; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by M Squared Construction, Inc. for Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP)-funded Contract No. WW-609R, Holloway Green Street Stormwater Improvements; approves Modification No. 7 (Final), decreasing the contract by $241,059, and with a time extension of 86 consecutive calendar days, for a total contract amount of $5,879,607 and a total contract duration of 681 consecutive calendar days (approximately one year and ten months); and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, April 24, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ" าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of April 10, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Revised Declaration of Emergency – 2018 March Storm Event
   e) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Presentation of Ceremonial Resolution to former Citizens' Advisory Committee Chair, Wendy Aragon for her dedicated service (discussion only)
   (Kelly, Jr.)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

9. Bay Area Water Supply Conservation Agency Report (discussion only)
   (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection a nd copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

10. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve the plans and specifications, and award **Contract No. HH-991**, 180062 2018 Mountain Tunnel Interim Repairs, in the amount of $5,875,386, to the lowest, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., to perform interim tunnel lining repairs and related work, until permanent repairs can be completed. (How)

b) Approve Modification No. 1 to **Job Order Contract, JOC-60**, General Engineering (A-License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with Cal State Constructors, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities 180063 Commission enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract amount of $7,500,000, and increasing the duration by 365 consecutive calendar days (one year), for a total contract duration of 1,825 consecutive calendar days (five years), as allowed for JOCs under the San Francisco Administrative Code. (How)

c) Approve an increase to the existing contract duration contingency in the amount of 272 consecutive calendar days (approximately nine and a half 180064 months) for **Contract No. WD-2832**, Sunol Nursery; and authorize the General Manager to approve future modifications to the contract duration up to 420 consecutive calendar days (approximately 14 months), with no change in contract amount. (How)

d) Approve an increase to the existing construction contract duration contingency in the amount of 93 consecutive calendar days (approximately 180065 three months) for **Contract No. WW-570**, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades; and authorize the General to approve future modifications to the contract duration up to 720 consecutive calendar days (approximately two years), with no change in contract amount. (How)

e) Approve an increase to the existing construction contract cost contingency in the amount of $1,297,166, and an increase to the existing contract 180066 duration contingency in the amount of 104 consecutive calendar days (approximately three and a half months), for **Contract No. WW-613**, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the General Manager to approve future modifications to the contract amount of up to $29,622,166, and future modifications to the contract duration of up to 1,089 consecutive calendar days (approximately three years). (How)

f) Approve an increase to the existing construction contract cost contingency in the amount of $352,032, and an increase in the contract duration 180067 contingency in the amount of 125 consecutive calendar days (approximately four months), for **Contract No. WW-622**, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Paving Renovation; and authorize the General Manager to approve future modifications to the contract amount of up to $5,067,485, and up to 685 consecutive calendar days (approximately two years) to the contract duration. (How)

180068 g) Approve an increase to the existing construction contract duration contingency in the amount of 147 consecutive calendar days (approximately

five months) to **Contract No. WW-631**, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement and Pavement Renovation; and authorize the General Manager to approve future modifications to the contract duration up to 702 consecutive calendar days (approximately two years), with no change to contract amount. (How)

REGULAR SESSION

11. Confirm and approve the analysis and conclusions set forth in the **Water Supply Assessment for the proposed Potrero Power Station Project**, pursuant to the State of California Water Code Section 10910 *et seq.* and California Environmental Quality Act (CEQA) Section 21151.9 and CEQA Guidelines Section 15155. (Ritchie)

180069

12. Authorize the General Manager to execute Modification No. 1 to the **Memorandum of Agreement (MOA) with the United States Department of the Interior, National Park Service – Yosemite National Park**, for Comprehensive Management of Watersheds within Yosemite National Park supplying the San Francisco Regional Water System, increasing the MOA agreement amount by $14,677,857, for a total Agreement amount not-to-exceed $27,004,364, and extend the duration by two years for a total duration of four years, subject to Board of Supervisors approval under Charter Section 9.118. (Ritchie)

180070

13. Approve the **2018 Revised Baseline Scope, Schedule, and Budget for Phase 1 Sewer System Improvement Program Projects**, a subset of projects within the adopted SFPUC Ten-Year Capital Plan for FY 2018-19 through FY 2027-28 for the Wastewater Enterprise. (How)

180071

14. Public comment on matters to be addressed during Closed Session

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following item(s):

16. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (Sheinfield)

180073

Existing Litigation
Pacific Bell Telephone Company v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-560617
Date Filed: August 9, 2017
Proposed settlement of action with release of all claims and the City to pay $67,500

17. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (Rosenblit)

Existing Litigation
Luis Adolfo Marquez vs. City and County of San Francisco
180072 *San Francisco Superior Court Case No.: CGC-16-554676*
Date Filed: October 5, 2016
Proposed settlement of action with release of all claims and the City to pay $150,000.

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 76.10 (d) (1) (Milstein)

Existing Litigation
Restore Hetch Hetchy v City and County of San Francisco
California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
City Law No.: 151139 / Date Filed July 12, 2016

19. Announcement following Closed Session

20. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

21. Other New Business (discussion only)

22. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

NOTICE OF PUBLIC HEARING

At the Regular Meeting of the San Francisco Public Utilities Commission on Tuesday, May 8, 2018 – 1:30 PM City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, the Commission will consider action on the following items:

1. Water and Wastewater Miscellaneous Fees. Proposal to Adopt, Revise, and/or Eliminate (1) Billing & Account Service Fees, (2) Water Service Connection Fees, (3) Facility & Land Use Fees, and (4) Regulatory Fees, charged for SFPUC Water and Wastewater Service.

2. Power Billing and Account Service Fees. Proposal to (1) Reduce the Returned Check and Pending Shutoff Notice Fees, and (2) Eliminate the New Account and Service Turn On Fees, charged for customers of the SFPUC Power Enterprise.

The detailed meeting agenda and related files will be available at least 72 hours before the May 8 meeting on the SFPUC website www.sfwater.org or by calling (415) 554-3165.

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, April 24, 2018
(Approved May 8, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:32 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen, Vietor, and Moran

3. Approval of the Minutes of April 10, 2018
   On Motion to approve the Minutes of April 10, 2018:
   Ayes: Kwon, Courtney, Caen, Vietor, and Moran

   No public comment.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Revised Declaration of Emergency – 2018 March Storm Event
   e) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   None.

7. Presentation of Ceremonial Resolution to former Citizens' Advisory (CAC) Chair, Wendy Aragon for her dedicated service
   General Manager (GM) Kelly summarized Ms. Aragon's service as CAC Chair noting her accomplishments. The Commission presented Ms. Aragon with a ceremonial resolution in recognition of her service.

   President Kwon thanked Ms. Aragon for her work, care, and public service.

   Vice President (VP) Courtney stated Ms. Aragon's role city-wide is impressive. He commended her leadership, independence, and commitment, and thanked her for her service.

   Ms. Aragon discussed her time she spent as CAC Chair, noting the changes that have come about. She thanked the Commission for the recognition.

   Public Comment
   - *Tracy Zhu read a letter submitted on behalf of Jennifer Clary, Clean Water Action, in recognition of Ms. Aragon's service.*

- *Jordan Davis thanked the Commission for honoring Ms. Aragon and expressed appreciation for her service.*
- *Matthew Stein, CAC member, echoed Ms. Clary's words and thanked the Commission for recognizing Ms. Aragon's service.*
- *Margaret Cooley, Richmond District Democratic Club, expressed her thanks for Ms. Aragon's service.*

8. Report of the General Manager
   a) CleanPowerSF (CPSF) Update

   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment: Serving 81,000 accounts; 3.2% opt-out rate; 4.2% SuperGreen upgrade rate. Power Source Disclosure Report for 2017 is being prepared for approval at the May 8th meeting, after which it will be sent to the California Energy Commission. AGM Hale noted the base (Green) product (40% renewable) is actually at 43% California eligible renewable and is currently 100% carbon-free. She started the next enrollment will be in July 2018 at which time the customer count will increase to approximately 105,000, with the addition of mostly commercial accounts, and with an average 235 MWh served. She noted Master Agreements and Confirmations will soon be sent to the GM; (2) Regulatory: California Public Utilities Commission efforts to reform PG&E's PCIA charge on customers continues. She indicated California Community Choice has served rebuttal testimony, and that hearings will take place the week of May 7th, with a proposed decision expected late July or early August; (3) Bond Proceeding: Proposed decision in the case was issued April 6th with two categories of costs proposed: (1) Administrative cost (re-entry fee per customer); and (2) Incremental Procurement cost.

   AGM Hale responded to a request from Commissioner Vietor for clarification of "returning customers" and about the bond proceeding decision. At the request of GM Kelly, AGM Hale discussed how the PCIA fee fits.

   AGM Hale responded to a question from President Kwon regarding the administrative cost (re-entry fee).

   Public Comment

   - *Jed Holtzman, 350 Bay Area, thanked staff for their work. He was pleased to hear that the Green program was GHG-Free and indicated that fact needs to be published. He discussed regulatory issues and thanked staff for their work on those issues. He discussed challenges with bonding and the possibility of Community Choice Aggregation (CCA) programs co-funding.*

   AGM Hale responded to Commissioner Vietor's inquiry as the possibility of customers of a collapsed CCA program joining another CCA (safety net).

- *David Pilpel discussed the Committee on Information Technology's recent approval of a customer care and billing system (CCB) extended to retail/ municipal electric customers (non-CCA) and expressed concern over the amount (~$20M). He asked that staff check with other agencies regarding joining their billing system at a lower cost.*

AGM Hale clarified that the budget proposal for CCB system is under $3M and that she would further discuss the issue with Mr. Pilpel.

b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

9. Bay Area Water Supply Conservation Agency (BAWSCA) Report
Nicole Sandkulla, BAWSCA CEO, provided the update. She noted BAWSCA's February 2018 total potable water use was 10% less than in February 2013, whereas statewide number went up. She stated the proposed changes to the Water System Improvement Program are appreciated and that they look forward to getting financial information regarding Groundwater Storage.

No public comment.

The Commission Secretary read the Consent Calendar summary.

10. *Consent Calendar*
a) Approve the plans and specifications, and award Contract No. HH-991, 2018 Mountain Tunnel Interim Repairs, in the amount of $5,875,386, to the lowest, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., to perform interim tunnel lining repairs and related work, until permanent repairs can be completed. (Resolution 18-0062)

b) Approve Modification No. 1 to Job Order Contract, JOC-60, General Engineering (A-License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with Cal State Constructors, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract amount of $7,500,000, and increasing the duration by 365 consecutive calendar day, for a total contract duration of 1,825 consecutive calendar days, as allowed for JOCs under the San Francisco Administrative Code. (Resolution 18-0063)

c) Approve an increase to the existing contract duration contingency in the amount of 272 consecutive calendar days for Contract No. WD-2832, Sunol Nursery; and authorize the General Manager to approve future modifications to the contract duration up to 420 consecutive calendar days, with no change in contract amount. (Resolution 18-0064)

d) Approve an increase to the existing construction contract duration contingency in the amount of 93 consecutive calendar days for Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades; and authorize the General to approve future modifications to the contract duration up to 720 consecutive calendar days, with no change in contract amount. (Resolution 18-0065)

e) Approve an increase to the existing construction contract cost contingency in the amount of $1,297,166, and an increase to the existing contract duration contingency in the amount of 104 consecutive calendar days, for Contract No. WW-613, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the General Manager to approve future modifications to the contract amount of up to $29,622,166, and future modifications to the contract duration of up to 1,089 consecutive calendar days. (Resolution 18-0066)

f) Approve an increase to the existing construction contract cost contingency in the amount of $352,032, and an increase in the contract duration contingency in the amount of 125 consecutive calendar days, for Contract No. WW-622, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Paving Renovation; and authorize the General Manager to approve future modifications to the contract amount of up to $5,067,485, and up to 685 consecutive calendar days to the contract duration. (Resolution 18-0067)

g) Approve an increase to the existing construction contract duration contingency in the amount of 147 consecutive calendar days to Contract No. WW-631, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement and Pavement Renovation; and authorize the General Manager to approve future modifications to the contract duration up to 702 consecutive calendar days, with no change to contract amount. (Resolution 18-0068)

No public comment.

On Motion to approve the Consent Calendar (10a through 10g):
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

11. Confirm and approve the analysis and conclusions set forth in the Water Supply Assessment (WSA) for the proposed Potrero Power Station Project, pursuant to the State of California Water Code Section 10910 *et seq.* and California Environmental Quality Act (CEQA) Section 21151.9 and CEQA Guidelines Section 15155. (Resolution 18-0069)
Steve Ritchie, AGM Water, introduced the item noting it is a standard WSA as required by the CEQA process for new San Francisco developments that were not included in the prior Water Management Plan. He the assessment will be provided to the Planning Department for the development's CEQA process.

AGM Ritchie responded to a concern of Commissioner Vietor's regarding water supply allocations and how they are determined. Brief discussion ensued.

No public comment.

On Motion to approve item 11:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

12. Authorize the General Manager to execute Modification No. 1 to the Memorandum of Agreement (MOA) with the United States Department of the Interior, National Park Service – Yosemite National Park, for Comprehensive Management of Watersheds within Yosemite National Park supplying the San Francisco Regional Water System, increasing the MOA agreement amount by $14,677,857, for a total Agreement amount not-to-exceed $27,004,364, and extend the duration by two years for a total duration of four years, subject to Board of Supervisors approval under Charter Section 9.118. (Resolution 18-0070)
AGM Ritchie introduced the item and requested approval.

No public comment.

On Motion to approve item 12:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

13. Approve the 2018 Revised Baseline Scope, Schedule, and Budget for Phase 1 Sewer System Improvement Program (SSIP) Projects, a subset of projects within the adopted SFPUC Ten-Year Capital Plan for FY 2018-19 through FY 2027-28 for the Wastewater Enterprise. (Resolution 18-0071)
Karen Kubick, SSIP Director, presented the 2018 SSIP Phase I Projects revised baseline scope, schedule and budget, discussing: (1) 10-year Capital Improvement Plan planning process; (2) Reasons for the Phase 1 revisions; (3) Note of progress made since the 2016 re-baseline; (4) Factors for required for the new revisions; (5) Review of the 2016 program schedule for Phase I Projects and review of schedule changes extension and/or delays; (6) Review program budget revisions for Phase I Projects and budget increases or decreases for those projects (greater than $10M increase). Southeast Plant (SEP) New Headworks Facility Project: $60.2M increase and nine months added to schedule; SEP Power Feed and Primary Switchgear Upgrades: $14.5M increase and time extension; Oceanside Treatment Plant Projects: $7.1M increase (none over $10M); Northpoint Wet Weather Facility Improvement Projects: Savings of $14.8M with a schedule increase; Overview of Collection System Projects: No change overall.

Director Kubick responded affirmative to a question from VP Courtney that any grant program will be presented to the Commission.

Director Kubick concluded her presentation and requested approval.

Public Comment

- *David Pilpel referred to item 7 and stated her experiences with Ms. Aragon as CAC Chair were negative. He expressed support for the SSIP 2018 revised baseline scope, schedule, and budget. He stated that staff has done a good job of evaluating and re-evaluating projects. He emphasized the importance of keeping on schedule, particularly with the digesters and headworks, and noted complications with interdepartmental projects.*

Director Kubick responded to a question from Commissioner Caen regarding the lack of an increase to the biosolids project and whether increases are anticipated.

GM Kelly noted concern with the proposed steel tariffs and the possible impact to the cost of steel to SFPUC projects.

On Motion to approve item 13:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

14. Public comment on matters to be addressed during Closed Session
None.

15. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert the attorney-client privilege:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

The Commission entered Closed Session at 2:46 PM.

16. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
Pacific Bell Telephone Company v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-560617
Date Filed: August 9, 2017
Proposed settlement of action with release of all claims and the City to pay $67,500
(Resolution 18-0073)
17. Conference with Legal Counsel – Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation

Luis Adolfo Marquez vs. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-554676
Date Filed: October 5, 2016
Proposed settlement of action with release of all claims and the City to pay $150,000.
(Resolution 18-0072)

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 76.10 (d) (1)
Existing Litigation
Restore Hetch Hetchy v City and County of San Francisco
California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
City Law No.: 151139 / Date Filed July 12, 2016

The Commission exited Closed Session at 3:06 PM.

19. Announcement following Closed Session
None.

20. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

On Motion not to disclose discussions:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

21. Other New Business
Vice President (VP) Courtney discussed workforce development and pre-apprentice programs at the Wastewater Enterprise, particularly for the 9916 classification, and for the utilization of the classification. He thanked staff for their work and asked that Wastewater staff provide the Commission with a report on their workforce development plan for employees moving up the career pathway.

Brian Henderson, acting AGM Wastewater, thanked Commissioner Courtney for his words and support and will work on the Commission update.

VP Courtney discussed his and Commissioner Vietor's conversations with the Mayor and staff regarding the seawall, SSIP, workforce development, and environmental agenda. He requested a staff update in June.

22. Adjournment
President Kwon adjourned the meeting at 3:12 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0062**

WHEREAS, Hetch Hetchy Water & Power Program funded Contract No. HH-991, 2018 Mountain Tunnel Interim Repairs was advertised on December 7, 2017; and

WHEREAS, The Engineer's Estimate is $6,200,000 to perform interim tunnel lining repairs and related work, until permanent repairs can be completed by the long-term Mountain Tunnel Improvements Project in subsequent years; and

WHEREAS, The contract duration is 256 consecutive calendar days; and

WHEREAS, Four (4) bids were received and opened publicly on February 8, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Sierra Mountain Construction, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, The CMD waived the Local Business Subcontracting requirement for this contract; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CUH10220, Mountain Tunnel Inspection and Repairs; and

WHEREAS, On October 12, 2017 the Planning Department reviewed the proposed scope of work and issued administrative approval of a modification to the Department's categorical exemption determination on March 15, 2016 under Section 15301 Class 1(Existing Facilities) of the California Environmental Quality Act (CEQA) Guidelines; therefore be it; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Hetch Hetchy Water & Power Program-funded Contract No. HH-991, 2018 Mountain Tunnel Interim Repairs, in the amount of $5,875,386 and with a duration of 256 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0063

WHEREAS, On July 26, 2016, by Resolution No.16-0143, this Commission approved the award of Job Order Contract (JOC) No. JOC-60, General Engineering (A-License) for SF Bay Area to Cal State Constructors, Inc.; and

WHEREAS, The first task order under JOC-60 Notice-to-Proceed date was June 6, 2017; and

WHEREAS, The original contract amount was for an amount not-to-exceed $5,000,000 and the original contract duration was four years; and

WHEREAS, Modification No.1 is being requested to increase the contract amount by $2,500,000, for a total not-to-exceed contract amount of $7,500,000, and to increase the contract duration by 365 consecutive calendar days, for a total contract duration of 1,825 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increases in contract price in excess of 10% of the original contract price and any cumulative extensions of time exceeding 10% of the original duration be approved by this Commission; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor has committed to a LBE subcontracting participation of 22.80% in its bid submittal; and

WHEREAS, No task order will be issued for construction under this contract until the scope of work is reviewed for compliance with the California Environmental Quality Act (CEQA) Guidelines and if necessary the appropriate CEQA document is prepared; and

WHEREAS, Funding will be available from various San Francisco Public Utilities Commission enterprise funds when task orders are issued; now, therefore, be it

RESOLVED, that this Commission hereby approves Modification No. 1 to Job Order Contract No. JOC-60, General Engineering (A-License) for continued general engineering construction work for all for San Francisco Bay Area Operations and facilities, increasing the contract amount by $2,500,000 for a total not-to-exceed contract amount of $7,500,000, and increasing the contract duration by 365 consecutive calendar days for total contract duration of 1,825 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0064**

WHEREAS, On June 13, 2017, per Resolution No. 17-0138, this Commission approved the award of Water Enterprise, 10-Year Capital Improvement Program (CIP) funded Contract No. WD-2832, Sunol Nursery Project, to JBD and Sons Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for September 6, 2017; and

WHEREAS, The original contract amount was $2,194,000 and the original contract duration was 135 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative extensions of duration in excess of 10% of the original contract duration to complete construction work be approved by the Commission; and

WHEREAS, Contract Modification No. 1 increasing the contract by $44,234 for a total revised contract cost of $2,238,234 was issued to install virgin Class 2 aggregate base along the access road in lieu of recycled aggregate base and install concrete in the bottom of electrical pull boxes; and

WHEREAS, An increase to the existing contract duration contingency in the amount of 272 consecutive calendar days is requested for time extension associated with the fabrication and installation of the greenhouse, office, and garage and potential delays associated with design and fabrication of the shadehouse; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 15% for this contract, and the contractor committed to a LBE participation of 18.53% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUW-2752101 Native Plant Nursery; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing contract duration contingency in the amount of 272 consecutive calendar days for Water Enterprise, 10-Year CIP funded Contract No. WD-2832, Sunol Nursery, for a total contract duration contingency 285 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve any future modifications to the contract duration for a total contract duration of up to 420 consecutive calendar days, with no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0065**

WHEREAS, On May 10, 2016, per Resolution No. 16-0082, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, to Blocka Construction, Inc.; and

WHEREAS, The construction contract Notice-To-Proceed date was set for July 25, 2016; and

WHEREAS, The original contract amount was for $6,138,000 and the original contract duration was 570 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, The project has encountered construction time delays to complete HVAC equipment start-up, testing and commissioning and equipment integration into the Distributed Control System at Oceanside Water Pollution Control Plant; and

WHEREAS, An increase in the existing contract duration contingency in the amount of 93 consecutive calendar days is being requested, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 27.52% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWSIPTPOP05 – OSP Condition Assessment Repairs; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the existing contract duration contingency in the amount of 93 consecutive calendar days for WWE, SSIP funded Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, for a total contract duration contingency of 150 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve any future modifications to the total contract duration up to 720 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0066**

WHEREAS, On January 26, 2016, per Resolution No. 16-0023, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. Contract No. WW-613, Southeast Water Pollution Control Plant (SEP) Building 521/522 and Disinfection Upgrades, to Western Water Constructors, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for March 7, 2016; and

WHEREAS, The original contract amount was for $25,750,000 and the original contract duration was 730 consecutive calendar days; and

WHEREAS, Modifications No. 1-4 were issued for $2,473,199 and 220 consecutive calendar days to update a fire alarm system, perform inboard channel coating, implement modifications to underground conduit, and to perform modifications to SEP 522 electrical equipment, conduit, security/ADA and demolition of SEP 521 hypochlorite day tank, increasing the contract amount to $28,223,199 and increasing the contract duration to 950 consecutive calendar days; and

WHEREAS, On February 14, 2017, per Resolution No. 17-0024, this Commission approved an increase to the contract duration contingency in the amount of 182 consecutive calendar days to address design changes related to underground conduits and electrical modifications, increasing the contract duration limit to 985 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires any cumulative increases in contract cost or duration in excess of 10% of the original contract amounts be approved by this Commission; and

WHEREAS, An increase in the contract cost contingency in the amount of $1,297,166 and an increase in the contract duration contingency in the amount of 104 consecutive calendar days is being requested for changes related to additional coating work for outboard channels, replacement of three HVAC units, various modifications to motor control centers (MCC's), fire alarm system and site security, and replacement of stop logs with pre-cast/pre-coated concrete sections due to plant shutdown restraints; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 20.27% with its bid submittal; and

WHEREAS, Funds are available from Project Nos. CWWSIPSE05, SEP 521/522 and Disinfection Upgrades and CWWSIPSE08 SEP Seismic Reliability and Condition Assessment Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing construction contract cost contingency in the amount of $1,297,166 and an increase to the contract duration contingency in the amount of 104 consecutive calendar days for WWE, SSIP funded Contract No. WW-613, SEP Building 521/522 and Disinfection Upgrades, increasing the total contract cost contingency to $3,872,166 and increasing the total duration contingency to 359 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract amount up to $29,622,166 and to the contract duration up to 1,089 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0067**

WHEREAS, On June 14, 2016, per Resolution No. 06-0114, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) and Public Works (PW) Pavement Renovation Program funded Contract No., WW-622, Haight-Ashbury/Tenderloin/Diamond Heights Districts Sewer Replacement and Paving Renovation to Hernandez Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for September 6, 2016; and

WHEREAS, The original contract amount was for $4,286,775 and the original contract duration was 360 consecutive calendar days; and

WHEREAS, On September 12, 2017, per Resolution No. 17-0190, this Commission approved an increase in the Construction Duration Contingency of 164 consecutive calendar days thereby increasing the total contract duration to 560 consecutive calendar days with no change in contract amount; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, An increase in the contract cost contingency in the amount of $352,032 and an increase in the contract duration contingency in the amount of 125 consecutive calendar days is now requested for additional time to acquire disposal approval of hazardous soils related sewer work from City agencies on Delancey Street from Brannan Street to Federal Street, and to reflect change orders for differing site conditions and contract quantity increases; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 20.42% with its bid submittal; and

WHEREAS, Funds are available from SFPUC WWE R&R Project No. 10015663 Haight-Ashbury/Tenderloin/Diamond Heights Sewer Replacement and PW Project No. 10002463 Haight-Ashbury/Tenderloin/Diamond Heights Pavement Renovation; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the contract cost contingency by $352,032 and an increase to the contract duration contingency by 125 consecutive calendar days for WWE R&R and PW Pavement Renovation Program funded Contract No. WW-622, Haight-Ashbury/Tenderloin/Diamond Heights Districts Sewer Replacement and Paving Renovation; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve future modifications to the not-to-exceed contract amount of up to $5,067,485 and to the contract duration of up to 685 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0068**

WHEREAS, On December 13, 2016, per Resolution No. 16-0250, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R), Public Works (PW) Pavement Renovation Program and San Francisco Municipal Transportation Agency (SFMTA) funded Contract No. WW-631, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement and Pavement Renovation, to Precision Engineering, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for February 27, 2017; and

WHEREAS, The original contract amount was for $9,711,239 and the original contract duration was 505 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, Potential change orders estimate an increase in contract duration of up to 197 consecutive calendar days; and

WHEREAS, This potential change order, if converted to a change order, would exceed by 147 days the pre-approved 10% construction duration contingency of 50 consecutive calendar days; and

WHEREAS, An increase in the existing contract duration contingency in the amount of 147 consecutive calendar days is requested for additional time to schedule sewer work with SFMTA MUNI shutdown service, and minimize disruption to the public and MUNI service; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting participation requirement of 20% for this contract, and the contractor committed to a LBE subcontracting participation of 20.17% with its bid submittal; and

WHEREAS, Funds are available from SFPUC WWE R&R Project No. 10031245, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement, PW Project No. 10002439 and SFMTA Project No. 10011899; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the existing contract duration contingency in the amount of 147 consecutive calendar days, with no change to the contract amount contingency, for WWE R&R, PW Pavement Renovation and SFMTA Program funded Contract No. WW-631, Crocker Amazon/Excelsior/Ingleside Districts Sewer Replacement and Pavement Renovation, increasing the toal contract duration contingency to 197 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract duration up to 702 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0069**

WHEREAS, Under the California Environmental Quality Act (CEQA) and California Water Code (Section 10910(g)(1)), the San Francisco Public Utilities Commission (SFPUC) is required to prepare and approve a Water Supply Assessment (WSA) for the cumulative water demands presented by the proposed Potrero Power Station Project, which is located along San Francisco's Central Waterfront on the site of the former Potrero Power Plant and is generally bound by 22nd Street to the north, the San Francisco Bay to the east, 23rd Street to the south, and Illinois Street to the west; and

WHEREAS, The proposed Potrero Power Station Project would include the redevelopment of the project site into a mixed-use development, including residential; commercial; hotel; community facility; production, distribution, and repair; retail and other active uses; and parking; as well as public access areas, open spaces, and a grid of public streets and private alleys; and involve the construction of up to approximately 5.3 million gross square feet; and

WHEREAS, Approval of the WSA as an informational document is not considered an approval action as defined by CEQA; and

WHEREAS, A WSA must be approved at a public meeting by the governing body of the public water supplier that would serve the proposed project; and

WHEREAS, The SFPUC staff prepared a WSA for the proposed Potrero Power Station Project, dated March 27, 2018, which is attached hereto and concludes that the SFPUC has adequate water supplies to meet the Project's water demands through 2040; now, therefore, be it

RESOLVED, This Commission approves the attached Water Supply Assessment dated March 27, 2018 for the proposed Potrero Power Station Project, which is located along San Francisco's Central Waterfront on the site of the former Potrero Power Plant and is generally bound by 22nd Street to the north, the San Francisco Bay to the east, 23rd Street to the south, and Illinois Street to the west, pursuant to the State of California Water Code Section 10910(g).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0070**

WHEREAS, On May of 2016, this Commission authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to request Board of Supervisors (BOS) approval to execute a Memorandum of Agreement (MOA) with the Department of the Interior, Yosemite National Park, for an amount not-to-exceed $12,326,507, and a total duration of two (2) years for watershed protection, environmental stewardship and security; and

WHEREAS, The Agreement was authorized by the Board of Supervisors on July 12, 2016, File Number 160538; and

WHEREAS, The requested Modification No. 1 will increase the MOA amount by $14,677,857, for a total Agreement amount not-to-exceed $27,004,364, and extend the duration by two years for a total duration of four years; and

WHEREAS, Funds for this agreement will be available from the Hetch Hetchy Water and Power Operating budget for fiscal years 2018-2019 and 2019-2020 subject to approval during the City and County of San Francisco's budget cycle and certification by the Controller; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute Modification No. 1 to the MOA with the Department of the Interior, Yosemite National Park, to increase the duration by two years for a total duration of four years, and increase the agreement amount by $14,677,857, for a not-to-exceed amount of $27,004,364, subject to approval by the Board of Supervisors pursuant to San Francisco Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

Please stand by

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0071**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) is responsible for: providing reliable sewer system service, ensuring the sewer system will respond effectively to a disaster; protecting natural resources and the environment; utilizing innovative technologies, where feasible and beneficial; and establishing equitable and affordable rates; and

WHEREAS, The SFPUC's wastewater collection and treatment system has been developed over the past 110 years and is a vital part of the City's infrastructure, representing major financial investments that have provided multiple benefits to the residents and businesses of San Francisco; and

WHEREAS, The SFPUC Wastewater Enterprise operates and maintains the sewer system which consists of treatment plants, sewers, tunnels, transport/storage structures, combined sewer discharge structures, pump stations, and force mains; and

WHEREAS, The SFPUC is committed to protecting public health and the environment, minimizing impacts to ratepayers, improving seismic and system reliability, reducing community impacts, and promoting environmental stewardship; and

WHEREAS, The SFPUC is committed to undertaking the implementation of its capital improvement program, the Sewer System Improvement Program (SSIP), in a manner that is consistent with and advances the goals of the 2011 Community Benefits Policy and the 2009 Environmental Justice Policy that were adopted by the Commission; and

WHEREAS, The SFPUC has spent several years assessing the need, planning, developing, and validating the capital improvement program, and in 2011 hired a program management consultant (PMC)to validate the program work completed to date in an effort to confirm the proposed scope, schedule and budget of the various capital improvement projects developed as part of the SSIP; and

WHEREAS, Seven comprehensive workshops were held with the Commission that culminated in 2010 with the Commission's endorsement of the Goals and Levels of Service (Resolution 10-0114), and three subsequent Program Validation workshops resulted in the Commission's 2012 endorsement of the 2012 Goals and Levels of Service, validation of the staff's project scope and phased implementation process, and authorization for staff to proceed with planning and developing the proposed Phase 1 projects, representing $2.7 billion of total costs (Resolution 12-0156); and

WHEREAS, In late 2015, an extensive initiative was undertaken by the PMC and SFPUC staff to refine the SSIP scope, schedule, and budget forecasts based on the latest available project information which resulted in this Commission's approval on March 22, 2016 by Resolution 16-0056 of Updated 2016 Goals, Levels of Service, and Program and Phase 1 Strategies and Updated 2016 SSIP Phase 1 Project Description, Schedule and Budget for all proposed projects that comprise the 2016 SSIP Baseline; and

WHEREAS, The 2016 SSIP Baseline consisted of a three-phase implementation with the following approved budget: Phase 1 ($2.910 billion), Phase 2 ($3.140 billion), and Phase 3 ($0.926 billion) for a total Program cost of $6.976 billion; and

WHEREAS, The PMC and SFPUC staff have undertaken an extensive assessment to identify the proposed 2018 revisions to the approved 2016 SSIP Baseline, which include completing all SSIP Phase 1 projects by May 1, 2025, and increasing the total budget for all SSIP Phase 1 projects by $68,387,727 (from $2,910,353,640 to $2,978,741,367); and

WHEREAS, The 2018 Revised Baseline to the SSIP Budget for Phase 1 projects is consistent with the latest SFPUC Ten-Year Capital Plan (FY 2018-19 to FY 2027-2028) approved by the Commission on February 13, 2018 by Resolution 18-0024; and

WHEREAS, Nothing in this resolution commits, or shall be deemed to commit the SFPUC to approve any proposed project until environmental review of the project has been completed as required under the California Environmental Quality Act (CEQA). This Commission shall have the absolute discretion before approving such projects to: (i) make such modifications as may be necessary to mitigate significant environmental impacts; (ii) select other feasible alternatives to avoid or substantially reduce significant environmental impacts; (iii) require the implementation of specific measures to mitigate any specific impacts; (iv) balance the benefits against significant environmental impacts before taking final action if such significant impacts cannot otherwise be avoided; or (v) determine whether or not to proceed with such projects; now, therefore, be it

RESOLVED, That the San Francisco Public Utilities Commission hereby approves the revisions to the 2016 Sewer System Improvement Program Baseline Scope, Schedule, and Budget for Phase 1 projects set forth in the 2018 Revised Baseline Scope, Schedule, and Budget for the Sewer System Improvement Program Phase 1 Projects, which is attached hereto and incorporated by reference herein.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of April 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

SEWER SYSTEM IMPROVEMENT PROGRAM | Grey. Green. Clean.

2018 REVISED BASELINE FOR SSIP PHASE 1 PROJECTS

Summary Report

April 24, 2018

San Francisco Water Power Sewer
Services of the San Francisco Public Utilities Commission

This page intentionally left blank

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 Program Overview 1

1.2 2016 Program Baseline 2

1.3 2018 Revisions 3

2.0 PROJECT STATUS 4

Table 2.1: Change in Project Status from March 2016 to March 2018 4

Table 2.2: Status of SSIP Phase 1 Projects as of March 30, 2018 5

3.0 PROJECT NAME CHANGES 8

Table 3.1: 2018 Project Name Revisions 8

4.0 SCOPE, SCHEDULE AND BUDGET REVISIONS 9

Table 4.1: Summary of 2018 Revisions to SSIP Phase 1 Projects 11

TREATMENT PLANT PROJECTS 17

Southeast Treatment Plant (SEP) Improvements 17

CWWSIPDP01 – Biosolids Digester Facilities Project (BDFP) 17

CWWSIPSE02 – SEP New Headworks (Grit) Replacement 18

CWWSIPSE04 – SEP Primary and Secondary Clarifier Upgrades 20

CWWSIPSE05 – SEP 521/522 and Disinfection Upgrades 21

CWWSIPSE07 – SEP Facility-wide Distributed Control System Upgrades 22

CWWSIPSE08 – SEP Seismic Reliability and Condition Assessment Improvements 23

CWWSIPSE09 – SEP Existing Digester Gas Handling Improvements 24

CWWSIPSE10 – SEP Power Feed and Primary Switchgear Upgrades 25

CWWSIPSE11 – SEP Oxygen Generation Plant 01 26

Oceanside Treatment Plant (OSP) Improvements 27

CWWSIPTPOP02 – Westside Pump Station Reliability Improvements 27

CWWSIPTPOP03 – OSP Digester Gas Utilization Upgrade 28

CWWSIPTPOP05 – OSP Condition Assessment Repairs 29

CWWSIPTPOP06 – OSP Odor Control Optimization 30

North Point Wet Weather Facility Projects 31

CWWSIPTPNP02 – North Shore Pump Station Wet Weather Improvements 31

COLLECTION SYSTEM PROJECTS 33

Central Bayside System Improvement Projects 33

CWWSIPCT01 – Central Bayside System Improvement Project (CBSIP) - Phase 1 33

Interceptors/Tunnels/Odor Control 33

CWWSIPCSSR02 – Collection System Condition Assessment 33

CWWSIPCSSR03 – Kansas and Marin Streets Sewer Improvements 34

CWWSIPCSSR09 – Drumm and Jackson Streets Sewer System Improvement 35

TABLE OF CONTENTS

CWWSIPCSSR11 – Cargo Way Sewer Box Odor Reduction 36
CWWSIPCSSR_N02 – SSIP Sewer Improvement Projects 36
Interdepartmental Projects 37
CWWSIPCSSR04 – Van Ness BRT Sewer Improvements 37
CWWSIPCSSR05 – Better Market Street Phase 1 38
CWWSIPCSSR06 – Geary BRT Sewer Improvements Phase 1 39
CWWSIPCSSR10 – Masonic Avenue Sewer Improvements 39
CWWSIPCSSR13 – Taraval Sewer Improvements 40
CWWSIPCSSR_N03 – Geary BRT Sewer Improvements Phase 2 40
Pump Stations and Force Mains Improvement Projects 41
CWWSIPCSPS02 – Force Main Rehabilitation at Embarcadero and Jackson Streets 41
CWWSIPCSPS03 – Mariposa Dry Weather Pump Station & Force Main Improvements 42
CWWSIPCSPS06 – Griffith Pump Station Improvements 43
Combined Sewer Discharge (CSD) and Transport/Storage (T/S) Structure Projects 45
CWWSIPCSD01 – Richmond Transport/Storage Tunnel Rehabilitation 45
CWWSIPCSD03 – Beach and Sansome St. CSD Rehabilitation Project 45
CWWSIPCSD04 –CSD Backflow Prevention and Monitoring 46
CWWSIPCSD05- 5th, North 6th and Division St. CSD Rehabilitation Project 47
Stormwater Management Projects 48
CWWSIPFCDB01– Sunset Green Infrastructure 48
CWWSIPFCDB02 – North Shore Green Infrastructure 49
CWWSIPFCDB04 – Sunnydale Green Infrastructure 50
CWWSIPFCDB05 – Richmond Green Infrastructure 50
CWWSIPFCDB06 – Yosemite Green Infrastructure 52
CWWSIPFCGI01 – Watershed Stormwater Management (Planning Only) 53
CWWSIPFCDB12- Wawona St. and 15th Ave Stormwater Detention Project 54
CWWSIPFCRP03 – Operational Decision System Phase 2 55
Flood Resilience Projects 56
CWWSIPFCDB13 – Cayuga Ave Stormwater Detention Project 56
CWWSIPFCDB14 – Folsom Area Stormwater Improvement Project 56
CWWSIPFCDB15 – 17th and Folsom Permanent Barriers 57
LAND REUSE PROJECTS 58
CWWSIPPRPL91 – Land Reuse of 1800 Jerrold Avenue 58
CWWSIPPRPL92 – Land Reuse of 1801 Jerrold Avenue 58

ACRONYMS & ABBREVIATIONS

Acronym / Abbreviation	Definition
AAR	Alternative Analysis Report
ADA	Americans with Disabilities Act
BAAQMD	Bay Area Air Quality Management District
BFP	Backflow Prevention
BDFP	Biosolids Digester Facilities Project
BFS	Bruce Flynn Pump Station
BMS	Better Market Street
BRT	Bus Rapid Transit
CatEx	Categorical Exemption
CBSIP	Central Bayside System Improvement Project
CCTV	closed-circuit television
CEQA	California Environmental Quality Act
CER	Conceptual Engineering Report
cf	cubic feet
cfm	cubic feet per minute
CHS	Channel Pump Station
CHTL	Channel Tunnel Lift Station
CM/GC	Construction Manager General Contractor
CMMS	Computerized Maintenance Management System
CPAS	Combined Primary Activated Sludge
CSD	Combined Sewer Discharge
DCS	Distributed Control System
DIP	Ductile Iron Pipe
DS	digested sludge
DW	dry weather
EIP	Early Implementation Project
EMMS	Energy Monitoring and Management System
GBT	Gravity Belt Thickener
HDPE	high-density polyethylene
HPU	Hydraulic Power Unit
HVAC	heating, ventilating, and air conditioning
I&C	Instrumentation and Control
I&I	Infiltration and Inflow
ISP	Iron stone pipe
JST	Jackson Street Transport/Storage Box
kV	kilovolt

ACRONYMS & ABBREVIATIONS

kW	kilowatt
LF	linear feet
LIMS	Laboratory Information Management System
LOS	level(s) of service
LOX	liquid oxygen
MCC	Motor Control Centers
MGD	million gallons per day
MND	Mitigated Negative Declaration
MOU	Memorandum of Understanding
MV PDS	medium voltage power distribution system
MW	megawatt
NFSM	North Shore Force Main
NPF	North Point Wet Weather Facility
NSCFM	North Shore to Channel Force Main
NSS	North Shore Pump Station
O&M	Operations and Maintenance
OCU	odor control unit
OEM	Operations, Engineering and Maintenance
OSP	Oceanside Water Pollution Control Plant
PG&E	Pacific Gas and Electric Company
PID	Project Initiation Document
PLA	Project Labor Agreement
PLC	programmable logic controller
PMC	Program Management Consultant
PPR	pumped plant recycle
PS	Primary Sludge
RCP	reinforced concrete pipe
ROW	right-of-way
R&R	repair and replacement
SELS	Southeast Lift Station
SEP	Southeast Water Pollution Control Plant
SF BCDC	San Francisco Bay Conservation and Development Commission
SFMTA	San Francisco Municipal Transportation Agency
SFPUC	San Francisco Public Utilities Commission
SFPW	San Francisco Public Works
SSIP	Sewer System Improvement Program
TAS	Thickened Activated Sludge
THP	Thermal Hydrolysis Process
T/S	transport/storage

ACRONYMS & ABBREVIATIONS

UWA	Urban Watershed Assessment
VFD	variable frequency drive
VCP	vitrified clay pipe
WAS	Waste Activated Sludge
WSS	Westside Pump Station
WWE	Wastewater Enterprise

1.0 INTRODUCTION

1.1 Program Overview

The responsibilities of the San Francisco Public Utilities Commission (SFPUC)'s Wastewater Enterprise (WWE) are to manage, operate, and maintain San Francisco's wastewater collection and treatment system. San Francisco's combined sewer system collects, conveys, and treats both sanitary sewage (dry weather flows) and urban stormwater (wet weather flows) – commonly referred to as wastewater.

The Sewer System Improvement Program (SSIP) is a 20-year, city-wide investment to upgrade San Francisco's aging infrastructure to ensure a reliable, sustainable, and seismically safe sewer system now and into the future. The SSIP is the culmination of several years of wastewater system planning efforts, public meetings, and Commission workshops, to develop improvements to address the following challenges:

- Aging infrastructure and the poor condition of existing facilities,
- Seismic deficiencies and lack of structural integrity,
- Limited operating flexibility and lack of redundancy,
- Compliance with operational permits,
- Management of stormwater in San Francisco's eight urban watersheds, and,
- Optimization of system performance and efficiency.

The scope of the improvements to be completed as part of the SSIP is based on the Goals and Levels of Service adopted for the Program. The Goals are as follows:

- Provide a compliant, reliable, resilient, and flexible system that can respond to catastrophic events,
- Integrate green and grey infrastructure to manage stormwater and minimize flooding,
- Provide benefits to impacted communities,
- Modify the system to adapt to climate change,
- Achieve economic and environmental sustainability, and,
- Maintain ratepayer affordability.

Implementation of the SSIP is divided into multiple overlapping phases to take into account the need to replace the system's highest priority, most vulnerable and essential assets, while maintaining ratepayer affordability. Phase 1 of the Program, which is ongoing, is addressing our most pressing needs by investing $2.9 billion in upgrades to all three treatment facilities and portions of the city's collection system.

1.2 2016 Program Baseline

On August 28, 2012 the Commission endorsed the 2012 SSIP Goals and Levels of Service, validated the SFPUC staff's project scope and phased implementation process, and authorized staff to proceed with planning and developing the proposed Phase 1 projects of the SSIP, representing $2.7 billion of total costs.

In October 2015, the SSIP team initiated an extensive and detailed effort to develop the Program Scope, Budget and Schedule baseline utilizing the latest available information and the various constraints and challenges known at the time.

Each project was evaluated based on priority and meeting the Levels of Service. This six- month effort resulted in the following updates, which were approved by the Commission on March 22, 2016:

- Updated 2016 Goals, Levels of Service, and Program & Phase 1 Strategies,
- Updated 2016 SSIP Phase 1 Project Descriptions for all projects that comprise the 2016 SSIP Program Baseline, including the addition of Interdepartmental and Flood Resilience projects, and,
- Updated 2016 SSIP Phase 1 Schedule and Budget for all projects that comprise the 2016 Program Baseline.

The approved 2016 SSIP Baseline includes an overlapping three phase implementation of the SSIP - Phase 1 ($2.910 billion, 2012-2025), Phase 2 ($3.140 billion, 2018-2029), and Phase 3 ($0.926 billion, 2025-2032) - for a total Program cost of $6.976 billion. It is also sub divided into subprograms as follows:

- Treatment Plant Projects
  - Biosolids Digester Facilities Project (BDFP)
  - Southeast Treatment Plant (SEP) New Headworks Facility
  - Southeast Treatment Plant (SEP) Improvements
  - Oceanside Treatment Plant (OSP) Improvements
  - North Point Facility (NPF) Improvements
- Collection System Projects
  - Central Bayside System Improvement Project (CBSIP)
  - Interceptors/Tunnels/Odor Control
  - Interdepartmental Projects
  - Pump Stations and Force Main Improvements
  - Combined Sewer Discharge (CSD) Structures and Transport/Storage (T/S) Boxes
  - Stormwater Management
  - Flood Resilience
- Land Reuse Projects
- Program Management

1.3 2018 Revisions

It is common practice in the industry to periodically establish revised scope, schedule and budget benchmarks, for the delivery of large infrastructure programs. This process, which is commonly referred to as "rebaselining," allows the Program Management Team to:

- Incorporate the latest project schedule and cost forecasts based on the most recent information available, including the status of change orders, trends, risks and contingencies reported by the various project teams,
- Integrate the latest scope changes and refinements approved by the SSIP Change Control Board,
- Include the recent construction bids and the near-term effects of the current economic conditions into construction cost estimates, and,
- Provide updated project baselines for performance measurements.

It should be noted that if approved by the Commission, the revisions herein will be reported as the "2018 Revised Baseline Scope, Schedule, and Budget for Phase 1 SSIP Projects" and the original 2016 Baseline Scope, Schedule and Budget will remain to allow for proper tracking of all revisions over time. The Latest Approved Schedule and Budget will be used to measure project delivery performance but if needed, performance tracking against the original 2016 Baseline will also be available.

Many of the SSIP Phase 1 projects were still in early development when the 2016 Program Baseline was established. In fact, 35 (or half) of the 70 Phase 1 projects were either in planning or had yet to be initiated, and an additional 14 projects were still in design. As a result, many assumptions had to be made to establish the 2016 SSIP Baseline Scope, Schedule, and Budget. The significant progress made in the implementation of the SSIP Phase 1 in the last two years has allowed the various SSIP Project Teams to identify and refine scoping needs and establish more accurate schedule and budget forecasts.

A process similar to the one undertaken to establish the 2016 Program Baseline was used to identify the revisions herein. The process involved several workshops with Operations, Engineering and Maintenance, multiple meetings with each Project Manager, and a thorough evaluation by the SSIP Management Team of the explanations and justifications provided for each revision summarized in Section 4 of this report.

2.0 PROJECT STATUS

Significant progress in the implementation of SSIP Phase 1 projects was achieved since Commission approval of 2016 Program Baseline in March 2016. That progress is reflected in Table 2.1. Whereas 49 projects were still in pre-construction in March 2016, two years later only 27 projects have yet to transition into construction. In the last two years the number of projects with completed construction has increased from 6 to 24.

Table 2.1: Change in Project Status from March 2016 to March 2018

PHASE	PROJECT STATUS	
	As of March 2016	As of March 2018
Not Initiated	13	1
Planning	22	10
Design	14	16
Pre-Construction Subtotal	**49**	**27**
Bid & Award	5	2
Construction	10	17
Closeout	3	10
Completed	3	14
Post Design Subtotal	**21**	**43**
TOTAL	70	70

Table 2.2 shows the status (reflected as the active phase) for each SSIP Phase 1 project as of March 30, 2018.

Table 2.2: Status of SSIP Phase 1 Projects as of March 30, 2018

PROJECTS NOT INITIATED	
Project No.	**Project Name**
CWWSIPCSSR_N02	SSIP Sewer Improvements Projects
PROJECTS IN PLANNING	
Project No.	**Project Name**
CWWSIPCSCD01	Richmond Transport/Storage Tunnel Rehabilitation
CWWSIPCSCD04	CSD Backflow Prevention and Monitoring
CWWSIPCSSR02	Collection System Condition Assessment
CWWSIPCSSR11	Cargo Way Sewer Box Odor Reduction
CWWSIPFCDB06	Yosemite Green Infrastructure
CWWSIPFCDB13	Cayuga Ave Stormwater Detention Project
CWWSIPFCDB14	Folsom Area Stormwater Improvement Project (1, 2)
CWWSIPFCGI01	Watershed Stormwater Management (Planning Only)
CWWSIPCSSR_N03	Geary BRT Sewer Improvements Phase 2
CWWSIPSE07	SEP Facility-wide Distributed Control System Upgrades (1)
PROJECTS IN DESIGN	
Project No.	**Project Name**
CWWSIPCSCD03	Beach and Sansome Street CSD Rehabilitation
CWWSIPCSCD05	5th, North 6th and Division Street CSD Rehabilitation
CWWSIPCSPS02	Force Main Rehab at Embarcadero and Jackson Streets
CWWSIPCSSR03	Kansas and Marin Streets Sewer Improvements
CWWSIPCSSR05	Better Market Street Sewer Improvements - Phase 1
CWWSIPCSSR06	Geary BRT Sewer Improvements - Phase 1
CWWSIPCSSR13	Taraval Sewer Improvements
CWWSIPCT01	Central Bayside System Improvement Project (CBSIP) – Phase 1
CWWSIPDP01	Biosolids Digester Facilities Project (BDFP)
CWWSIPFCDB12	Wawona St and 15th Ave Stormwater Detention Project
CWWSIPFCDB15	17th and Folsom Permanent Barriers
CWWSIPSE08	SEP Seismic Reliability and Condition Assessment Improvements(1, 2)
CWWSIPSE10	SEP Power Feed and Primary Switchgear Upgrades
CWWSIPTPNP02	North Shore Pump Station Wet Weather Improvements
CWWSIPTPOP02	Westside Pump Station Reliability Improvements
CWWSIPTPOP06	OSP Odor Control Optimization
PROJECTS IN BID & AWARD	
Project No.	**Project Name**
CWWSIPFCDB05	Richmond Green Infrastructure
CWWSIPTPOP03	OSP Digester Gas Utilization Upgrade(1)

PROJECTS IN CONSTRUCTION	
Project No.	**Project Name**
CWWSIPCSPS03	Mariposa Dry Weather Pump Station & Force Main Improve.
CWWSIPCSPS06	Griffith Pump Station Improvements
CWWSIPCSSR04	Van Ness BRT Sewer Improvements
CWWSIPCSSR09	Drumm and Jackson Streets Sewer System Improvement
CWWSIPCSSR10	Masonic Avenue Sewer Improvements
CWWSIPFCDB01	Sunset Green Infrastructure[1]
CWWSIPFCDB02	North Shore Green Infrastructure
CWWSIPFCDB04	Sunnydale Green Infrastructure
CWWSIPPRPL91	Land Reuse of 1800 Jerrold Avenue
CWWSIPPRPL92	Land Reuse of 1801 Jerrold Avenue
CWWSIPSE02	SEP New Headworks (Grit) Replacement[1, 2]
CWWSIPSE04	SEP Primary and Secondary Clarifier Upgrades
CWWSIPSE05	SEP 521/522 and Disinfection Upgrades (521 Replacement)t
CWWSIPSE09	SEP Existing Digester Gas Handling Improvements
CWWSIPSE11	SEP Oxygen Generation Plant 01
CWWSIPTPOP05	OSP Condition Assessment Repairs[1]
CWWSIPFCRP03	Operational Decision System Phase 2
PROJECTS IN CLOSEOUT	
Project No.	**Project Name**
CWWSIPTPNP01	NPF Outfall System Rehabilitation
CWWSIPCSPS05	Marin Street Sewer Replacement
CWWSIPCSSR07	Central Subway Sewer Improvements
CWWSIPCSSR08	Mission Bay Loop Sewer Improvement
CWWSIPCSSR12	Rutland Sewer Improvements
CWWLID02/FCDB09	Islais Creek Green Infrastructure
CWWSIPFCDB03	Lake Merced Green Infrastructure[1]
CWWSIPFCDB08	Channel Green Infrastructure[1]
CWWSIPFCRP01	Advanced Rainfall Prediction - Part 1
CWWSIPFCDB16	Hydraulic and Drainage Sewer Improvements
PROJECTS COMPLETED	
Project No.	**Project Name**
CWWLID01	Cesar Chavez Green Infrastructure
CWWSIPUW00	Urban Watershed Assessment and Planning Initiation
CWWSIPCSSR01	Richmond Transport Modeling
CWWSIPSE03	SEP Existing Digester Roof Repairs
CWWBAE01	Biofuel Alternative Energy
CWWSIPFCDB07	17th and Folsom Wet Weather Storage
CWWSIPCSPS04	Cesar Chavez Pump Station
CWWSIPSE01	SEP Oxygen Generation Plant
CWWSIPFCRP02	Operational Decision System Phase 1

PROJECTS COMPLETED (Continued)	
Project No.	**Project Name**
CWWSIPFCDB11	Flood Resilience - Early Projects (Planning Phase Only)
CWWSIPFCDB10	Flood Resilience Analysis (Planning Phase Only)
CWWSIPNC01	North Shore to Channel F M Drainage Improvement
CWWSIPUW01	Urban Watershed Assessment and Planning
CWWSIPCSPS01	Hudson Ave Pump Station and Outfall Improvements

Notes

(1) Projects include multiple active phases
(2) NTP dates are for the upcoming contract in multi-phase projects

3.0 PROJECT NAME CHANGES

The following project name revisions better reflect the scope of each project.

Table 3.1: 2018 Project Name Revisions

PROJECT NAME REVISIONS		
Project No.	**2016 Baseline Project Name**	**2018 Revised Project Name**
CWWSIPCSSR05	Better Market Street Sewer Improvements	Better Market Street Sewer Improvements - Phase 1
CWWSIPCT01	Central Bayside System Improvement Project	Central Bayside System Improvement Project - Phase 1
CWWSIPSE07	SEP Facility-wide DCS Controls	SEP Facility-wide Distributed Control System Upgrades
CWWSIPTPNP02	North Shore Wet Weather Pump Station Improvements and Disinfection	North Shore Pump Station Wet Weather Improvements

4.0 SCOPE, SCHEDULE AND BUDGET REVISIONS

The revisions to the scope, schedule, and budget of SSIP Phase 1 projects are all summarized in Table 4.1 and an explanation of each revision for "active" projects (i.e., project that are not in closeout or completed) is provided at the end of this section. If approved by the Commission, these revisions will be incorporated in a more detailed internal 2018 Revised Baseline document that will include an updated scope, schedule, and budget for each project.

Project scope changes documented in this report consist of one of the following:

- Addition - the proposed 2018 project scope incorporates new element(s) not included in the approved 2016 project scope,
- Deletion - project element(s) included in the approved 2016 project scope that have been excluded from the proposed 2018 project scope, or
- Refinement - alteration or enhancement of project element(s) that were included in the approved 2016 project scope.

The schedule and budget revisions in Table 4.1 reflect the change in each project completion date and total project costs. The schedule and budget variances between the approved 2016 Program Baseline and the 2018 Revised Baseline are also provided.

A summary of the 2018 Revised Baseline is presented below.

- Budget for completion of all SSIP Phase 1 projects is $68M higher (from $2,910M to $2,978M),
- Twenty-eight (28) projects have a scope change,
- The schedules of 11 projects are being accelerated, while the schedules of 37 projects are being delayed, and,
- The budgets of 24 projects are being decreased, while the budgets of 20 projects are being increased.

Many of the more significant schedule delays and cost increases were the result of one or more of the following factors:

- Project interdependencies with other City departments (e.g. many Interdepartmental projects are led by SFMTA or Public Works),
- Schedule interdependencies between SSIP projects (e.g., many of the SEP projects are interdependent because of interfaces between projects),
- Limitations on what work can occur during the wet weather season (e.g. work at Westside Pump Station can only occur during the dry weather season, as the facility must be operational during wet weather),

- Schedule constraints associated with construction in urban environment (e.g., restricted construction schedule of Force Main Rehab at Embarcadero and Jackson Streets Project),
- Unfavorable market conditions and contractor bidding environment,
- Land acquisition challenges (e.g., Kansas and Marin Streets Sewer Improvement has to be redesigned because of the inability to reach a Right-of-Way agreement), and,
- Change in SFPUC in power strategy for SEP (impacted schedule and budget of SEP Power Feed and Primary Switchgear Upgrades Project).

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
SSIP Phase 1 Total			**10/30/26**	**05/01/25**	**18 (Early)**	**$2,910,353,640**	**$2,978,741,367**	**($68,387,727)**
Treatment Facility Projects			**05/01/25**	**05/01/25**	-	**$2,182,272,411**	**$2,250,660,138**	**($68,387,727)**
Biosolids Digester Facilities Project			**05/01/25**	**05/01/25**	-	**$1,276,447,000**	**$1,276,447,000**	-
CWWSIPDP01	SEP Biosolids Digester Facilities Project (BDFP)	N	05/01/25	05/01/25	-	$1,276,447,000	$1,276,447,000	-
Southeast Plant (SEP) New Headworks (Grit) Replacement			**12/29/23**	**09/30/24**	**9 (Late)**	**$358,630,542**	**$418,834,566**	**($60,204,024)**
CWWSIPSE02	SEP New Headworks (Grit) Replacement	Y	12/29/23	09/30/24	9 (Late)	$358,630,542	$418,834,566	($60,204,024)
Southeast Plant (SEP) Improvements			**08/31/23**	**08/31/23**	-	**$327,110,727**	**$340,581,919**	**($13,471,192)**
CWWSIPSE01	SEP Oxygen Generation Plant *(Completed)*		06/10/16	06/10/16	-	$11,781,151	$11,135,600	$645,551
CWWSIPSE11	SEP Oxygen Generation Plant 01	N	12/31/18	11/21/19	11 (Late)	$9,030,106	$9,850,429	($820,323)
CWWSIPSE03	SEP Existing Digester Roof Repairs *(Completed)*		07/29/16	03/03/16	5 (Early)	$16,625,297	$15,423,412	$1,201,885
CWWSIPSE04	SEP Primary and Secondary Clarifier Upgrades	N	08/31/18	01/21/19	5 (Late)	$36,016,280	$36,016,280	-
CWWSIPSE05	SEP 521/522 and Disinfection Upgrades (SEP Building 521 Replacement)	N	01/18/19	09/04/19	8 (Late)	$41,613,516	$41,613,516	-
CWWSIPSE06	SEP Primary Sludge Handling Improvements *(Eliminated)*		02/10/16	02/10/16	-	$2,065,000	$2,064,253	$747
CWWSIPSE07	SEP Facility-wide Distributed Control System Upgrades	N	08/31/23	08/31/23	-	$62,987,772	$62,987,772	-
CWWSIPSE08	SEP Seismic Reliability and Condition Assessment Improvements	N	12/31/19	09/30/21	21 (Late)	$53,152,197	$53,152,197	-
CWWSIPSE09	SEP Existing Digester Gas Handling Improvements	Y	03/05/19	11/30/19	9 (Late)	$22,143,317	$22,143,317	-
CWWSIPSE10	SEP Power Feed and Primary Switchgear Upgrades	Y	07/31/20	12/30/22	29 (Late)	$69,840,948	$84,340,000	($14,499,052)

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
CWWBAE01	Biofuel Alternative Energy *(Completed)*		03/31/16	03/31/16	-	$1,855,143	$1,855,143	-
Oceanside Plant (OSP) Improvements			**04/15/22**	**06/30/23**	**14 (Late)**	**$132,505,036**	**$139,597,219**	($7,092,183)
CWWSIPTPOP01	OSP Fine Screen and Grit Removal Enhancements *(Deferred)*		11/20/15	11/20/15	-	$550,001	$510,275	$39,726
CWWSIPTPOP02	Westside Pump Station Reliability Improvements	Y	12/02/21	06/30/23	19 (Late)	$70,500,000	$71,500,000	($1,000,000)
CWWSIPTPOP03	OSP Digester Gas Utilization Upgrade	Y	06/15/20	06/04/21	12 (Late)	$39,687,969	$45,887,969	($6,200,000)
CWWSIPTPOP04	Westside Pump Station Redundant Force Main Improvements *(Deferred)*		01/29/16	01/29/16	-	$795,000	$726,909	$68,091
CWWSIPTPOP05	OSP Condition Assessment Repairs	N	06/28/21	06/28/19	24 (Early)	$15,843,037	$15,843,037	-
CWWSIPTPOP06	OSP Odor Control Optimization	Y	04/15/22	09/23/20	19 (Early)	$5,129,029	$5,129,029	-
North Point Facility (NPF) Improvements			**12/31/20**	**07/30/21**	**7 (Late)**	**$87,579,106**	**$75,199,435**	**$12,379,671**
CWWSIPTPNP01	NPF Outfall System Rehabilitation	N	08/27/18	08/27/18	-	$17,775,621	$20,199,435	($2,423,814)
CWWSIPTPNP02	North Shore Pump Station Wet Weather Improvements	Y	12/31/20	07/30/21	7 (Late)	$69,803,485	$55,000,000	$14,803,485
Collection System Projects			**10/30/26**	**04/05/24**	31 (Early)	**$504,837,219**	**$504,837,219**	-
Central Bayside System Improvement Project (CBSIP)			**06/30/17**	**12/31/18**	**18 (Late)**	**$64,000,000**	**$64,000,000**	-
CWWSIPCT01	Central Bayside System Improvement Project - Phase 1	N	06/30/17	12/31/18	18 (Late)	$64,000,000	$64,000,000	-
Interceptors / Tunnels / Odor Control			**11/22/22**	**11/22/22**	-	**$58,263,126**	**$65,212,787**	($6,949,661)
CWWSIPCSSR01	Richmond Transport Modeling *(Completed)*		06/30/14	06/30/14	-	$86,883	$86,883	-
CWWSIPCSSR02	Collection System Condition Assessment	N	04/09/20	04/09/20	-	$10,912,000	$10,912,000	-

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
CWWSIPCSSR03	Kansas and Marin Streets Sewer Improvements	Y	11/27/18	12/15/21	37 (Late)	$7,733,999	$17,476,731	($9,742,732)
CWWSIPCSSR09	Drumm and Jackson Streets Sewer System Improvement	N	12/14/18	03/27/19	3 (Late)	$11,126,000	$8,332,928	$2,793,072
CWWSIPCSSR11	Cargo Way Sewer Box Odor Reduction	N	02/11/20	07/12/21	17 (Late)	$6,442,000	$6,442,000	-
CWWSIPCSSR12	Rutland Sewer Improvements		04/26/18	04/26/18	-	$1,500,000	$1,500,000	-
CWWSIPCSSR_N02	SSIP Sewer Improvements Projects	N	11/22/22	11/22/22	-	$20,462,244	$20,462,244	-
Interdepartmental Projects			**01/24/23**	**03/31/22**	**10 (Early)**	**$96,476,000**	**$87,483,890**	**$8,992,110**
CWWSIPCSSR04	Van Ness BRT Sewer Improvements	N	06/04/20	06/30/21	13 (Late)	$14,957,000	$21,100,000	($6,143,000)
CWWSIPCSSR05	Better Market Street Sewer Improvements - Phase 1	Y	01/24/23	03/31/22	10 (Early)	$32,405,000	$9,752,690	$22,652,310
CWWSIPCSSR06	Geary BRT Sewer Improvements - Phase 1	Y	07/15/19	02/12/21	19 (Late)	$17,043,000	$12,900,000	$4,143,000
CWWSIPCSSR07	Central Subway Sewer Improvements	N	02/28/17	06/29/18	16 (Late)	$3,956,000	$3,956,000	-
CWWSIPCSSR08	Mission Bay Loop Sewer Improvement	N	11/01/17	12/31/18	14 (Late)	$1,794,000	$718,200	$1,075,800
CWWSIPCSSR10	Masonic Avenue Sewer Improvements	N	05/07/18	12/31/18	8 (Late)	$3,921,000	$3,921,000	-
CWWSIPCSSR13	Taraval Sewer Improvements	N	10/19/20	04/09/21	6 (Late)	$20,400,000	$33,136,000	($12,736,000)
CWWSIPCSSR_N03	Geary BRT Sewer Improvements - Phase 2	N	01/08/18	03/30/20	27 (Late)	$2,000,000	$2,000,000	-
Pump Stations and Force Main Improvements			**01/21/21**	**10/29/21**	**9 (Late)**	**$75,600,000**	**$77,642,450**	**($2,042,450)**
CWWSIPCSPS01	Hudson Ave Pump Station and Outfall Improvements *(Completed)*		02/28/18	10/31/17	4 (Early)	$594,000	$281,500	$312,500
CWWSIPCSPS02	Force Main Rehab at Embarcadero and Jackson Streets	N	12/12/18	10/29/21	35 (Late)	$5,845,000	$9,909,047	($4,064,047)

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
CWWSIPCSPS03	Mariposa Dry-Weather Pump Station & Force Main Improvements	Y	01/21/21	06/21/21	5 (Late)	$28,221,000	$28,221,000	-
CWWSIPCSPS04	Cesar Chavez Pump Station *(Completed)*		05/26/16	05/26/16	-	$185,000	$179,727	$5,273
CWWSIPCSPS05	Marin Street Sewer Replacement	Y	08/03/18	11/02/18	3 (Late)	$3,926,000	$6,774,519	($2,848,519)
CWWSIPCSPS06	Griffith Pump Station Improvements	Y	07/19/19	12/10/19	5 (Late)	$7,029,000	$14,976,657	($7,947,657)
CWWSIPNC01	North Shore to Channel F M Drainage Improvement *(Completed)*		06/06/17	06/06/17	-	$29,800,000	$17,300,000	$12,500,000
Combined Sewer Discharge (CSD) and Transport/Storage Structures			**10/01/21**	**10/01/21**	**-**	**$27,039,500**	**$27,039,500**	**-**
CWWSIPCSCD01	Richmond Transport/Storage Tunnel Rehabilitation	N	05/13/19	05/13/19	-	$4,873,000	$4,873,000	-
CWWSIPCSCD02	Baker/Laguna/Pierce CSD & Outfall *(Deferred)*		11/20/15	11/20/15	-	$8,500	$8,536	($36)
CWWSIPCSCD03	Beach and Sansome Street CSD Rehabilitation	Y	12/20/19	04/30/20	4 (Late)	$2,523,000	$3,150,400	($627,400)
CWWSIPCSCD04	CSD Backflow Prevention and Monitoring	Y	10/01/21	10/01/21	-	$15,000,000	$13,617,204	$1,382,796
CWWSIPCSCD05	5th, North 6th and Division Street CSD Rehabilitation	Y	07/13/20	07/13/20	-	$4,635,000	$5,390,360	($755,360)
Stormwater Management			**10/30/26**	**04/05/24**	**31 (Early)**	**$95,763,493**	**$118,473,493**	**($22,710,000)**
Early Implementation Projects			**10/30/26**	**04/05/24**	**31 (Early)**	**$59,301,209**	**$59,301,209**	**-**
CWWLID01	Cesar Chavez Green Infrastructure *(Completed)*		06/28/13	06/28/13	-	$1,374,143	$1,374,143	-
CWWLID02/FCDB09	Islais Creek Green Infrastructure	Y	10/30/26	04/24/18	102 (Early)	$4,929,908	$5,729,070	($799,162)
CWWSIPFCDB01	Sunset Green Infrastructure	Y	12/31/20	09/30/21	9 (Late)	$10,745,679	$8,438,702	$2,306,977
CWWSIPFCDB02	North Shore Green Infrastructure	Y	03/31/20	12/31/18	15 (Early)	$2,493,272	$1,904,770	$588,502

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
CWWSIPFCDB03	Lake Merced Green Infrastructure	Y	07/31/20	04/24/18	27 (Early)	$7,316,074	$6,338,687	$977,387
CWWSIPFCDB04	Sunnydale Green Infrastructure	Y	11/30/20	02/28/19	21 (Early)	$4,950,001	$4,298,843	$651,158
CWWSIPFCDB05	Richmond Green Infrastructure	Y	04/30/21	04/30/21	-	$10,118,934	$12,060,488	($1,941,554)
CWWSIPFCDB06	Yosemite Green Infrastructure	Y	12/21/21	04/05/24	27 (Late)	$12,803,550	$16,050,276	($3,246,726)
CWWSIPFCDB08	Channel Green Infrastructure	Y	09/17/20	08/31/18	25 (Early)	$4,569,648	$3,106,231	$1,463,417
Watershed Stormwater Management			**04/07/20**	**12/30/21**	**21 (Late)**	**$7,000,000**	**$29,710,000**	**($22,710,000)**
CWWSIPFCGI01	Watershed Stormwater Management (Planning Only)	N	07/12/19	12/30/20	18 (Late)	$7,000,000	$7,000,000	-
CWWSIPFCDB12*	Wawona St and 15th Ave Stormwater Detention Project (Realigned from Flood Resilience Projects)	N	04/07/20	12/30/21	21 (Late)	-	$22,710,000	($22,710,000)
Urban Watershed Assessment			**04/04/17**	**06/30/17**	**3 (Late)**	**$17,409,225**	**$17,409,225**	**-**
CWWSIPUW00	Urban Watershed Assessment and Planning Initiation *(Completed)*		06/28/13	06/28/13	-	$3,102,671	$3,102,671	-
CWWSIPUW01	Urban Watershed Assessment and Planning *(Completed)*		04/04/17	06/30/17	3 (Late)	$14,260,844	$14,260,844	-
CWWSIPUW02	Fulton St Sewer *(Eliminated)*		10/31/12	10/31/12	-	$3,222	$3,222	-
CWWSIPUW03	Lake Merced Drainage *(Eliminated)*		10/31/12	10/31/12	-	$21,376	$21,376	-
CWWSIPUW04	Major Trunk Sewers *(Eliminated)*		10/31/12	10/31/12	-	$21,112	$21,112	-
Advanced Rainfall and Operational Decision System			**06/26/20**	**06/26/20**	**-**	**$12,053,059**	**$12,053,059**	**-**
CWWSIPFCRP01	Advanced Rainfall Prediction - Part 1	Y	06/29/18	06/29/18	-	$3,254,000	$2,364,838	$889,162
CWWSIPFCRP02	Operational Decision System Phase 1 *(Completed)*		09/30/16	09/30/16	-	$1,000,921	$967,572	$33,349

Table 4.1: Summary of 2018 Revised SSIP Phase 1

Project No.	Project Name	Scope Change	Schedule – Project Completion			Budget – Total Project Costs		
			2016 Baseline	Proposed 2018 Revisions	Variance (Month)	2016 Baseline	Proposed 2018 Revisions	Variance ($)
CWWSIPFCRP03	Operational Decision System Phase 2	Y	06/26/20	06/26/20	-	$7,798,138	$8,720,649	($922,511)
Flood Resilience Projects			**04/07/20**	**02/28/22**	**23 (Late)**	**$87,695,100**	**$64,985,100**	**$22,710,000**
CWWSIPFCDB07	17th and Folsom Wet Weather Storage *(Completed)*		05/06/16	05/06/16	-	$1,012,352	$898,623	$113,729
CWWSIPFCDB10	Flood Resilience Analysis (Planning Phase Only) *(Completed)*		05/31/17	02/28/17	3 (Early)	$2,505,999	$2,192,288	$313,711
CWWSIPFCDB11	Flood Resilience - Early Projects (Planning Phase Only) *(Completed)*		12/30/16	12/30/16	-	$5,708,749	$3,990,330	$1,718,419
CWWSIPFCDB12*	Wawona St and 15th Ave Stormwater Detention Project *(Realigned to Watershed Management Projects)*	N	04/07/20	12/30/21	21 (Late)	$22,710,000	-	$22,710,000
CWWSIPFCDB13	Cayuga Ave Stormwater Detention Project	N	01/07/20	02/28/22	26 (Late)	$8,253,000	$8,253,000	-
CWWSIPFCDB14	Folsom Area Stormwater Improvement Project	N	11/01/19	06/01/20	7 (Late)	$36,265,000	$38,410,859	($2,145,859)
CWWSIPFCDB15	17th and Folsom Permanent Barriers	N	04/02/18	07/31/19	16 (Late)	$2,656,000	$2,656,000	-
CWWSIPFCDB16	Hydraulic and Drainage Sewer Improvements	Y	04/03/18	12/31/18	9 (Late)	$8,584,000	$8,584,000	-
Land Reuse Projects			**02/01/19**	**02/01/19**	-	**$98,244,010**	**$98,244,010**	-
CWWSIPPRPL91	Land Reuse of 1800 Jerrold Avenue	N	02/01/19	02/01/19	-	$90,000,000	$90,000,000	-
CWWSIPPRPL92	Land Reuse of 1801 Jerrold Avenue	Y	12/04/17	08/31/18	9 (Late)	$8,244,010	$8,244,010	-
Phase 1 Program Management			**07/31/23**	**07/31/23**	-	**$125,000,000**	**$125,000,000**	-
CWWSIPPL01, RPL01	SSIP Program Management	N	07/31/23	07/31/23	-	$125,000,000	$125,000,000	-

* The Wawona St and 15th Ave Stormwater Detention Project, CWWSIPFCDB12 was moved from "Flood Resilience" to "Watershed Management" proejcts.

TREATMENT PLANT PROJECTS

Southeast Treatment Plant (SEP) Improvements

CWWSIPDP01 – Biosolids Digester Facilities Project (BDFP)

Project Description

Planning, engineering, and construction of the new solids processing facilities will include solids pretreatment; the thermal hydrolysis process (THP); anaerobic digestion; biosolids dewatering; biosolids product storage and loadout; biogas handling, energy generation and recovery; odor control; automated control systems; and supporting Operations, Engineering, and Maintenance (OEM) staff facilities.

Key BDFP facilities and processes consist of:

- Primary sludge (PS) and waste activated sludge (WAS) pumping to the solids treatment processes, which includes improvement to the existing WAS pumping facilities.
- A consolidated Solids Pretreatment building that incorporates the following processes/equipment:
  - WAS thickening using gravity belt thickeners (GBTs) (4 units).
  - Blending of thickened activated sludge (TAS) and PS to produce combined primary and active sludge (CPAS).
  - Screening of CPAS using inline strainpress-type screens (5 units).
  - Pre-THP Cake Storage (3 cake bins).
  - Pre-THP dewatering of screened CPAS using centrifuges (5 units).
- Thermal hydrolysis of dewatered, screened CPAS using Cambi THP process (3 THP units) and cooling of the thermally hydrolyzed sludge (THS).
- Mesophilic anaerobic digestion and digested sludge (DS) storage using digesters (5 silo-shaped digesters).
- A Biosolids Dewatering building that will include the following processes/equipment:
  - Dewatering of digested biosolids using belt filter presses (BFPs) (4 units),
  - Storage (4 cake bins) and load-out of dewatered biosolids product using silos, screw conveyors, and truck hauling.
- Beneficial use of the biogas produced during the digestion process. Energy recovery through combined heat and power using gas turbines and/or boilers. Biogas storage is also included.
- Pre-Digestion and Post-Digestion odor control.
- Process systems to support the BDFP facilities including No. 2 water (W2 – chlorinated and filtered plant secondary effluent) system upgrade, plant air, polymer systems, and cooling water system. Ancillary facilities will also include a ferric chloride facility for struvite control, as well as pumped plant recycle (PPR) pumping to convey the liquids

return streams from thickening, pre-THP dewatering, and biosolids dewatering. Maintenance Facilities to support OEM of BDFP facilities.

The proposed site for the BDFP facilities is adjacent to the existing SEP at 1800 Jerrold Avenue (Central Shops) and 1801 Jerrold Avenue (Asphalt Plant), and on portions of the existing SEP property. Possible construction staging areas for the BDFP include SFPUC Greenhouses, 1550 Evans Avenue and/or Pier 94/96 SF Port properties.

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

CWWSIPSE02 – SEP New Headworks (Grit) Replacement

Project Description

The new 250 MGD headworks consist of major components / facilities as follows:

- New Influent Junction Structure and Influent Monitoring:
  - Construction of a new Influent Junction Structure that will include a temporary overflow weir for excess wet weather flow.
  - Construction of a temporary connection between the Influent Junction Structure and Influent Control Structure.
  - Construction of a new connection from Influent Junction Structure to the new bypass,
  - Demolition of the existing Influent Control Structure.
  - Installation of a new influent monitoring and sampling system including: influent flowmeters, pH and conductivity insertion probes, automatic samplers, and manual sample ports.
- A new Primary Influent Distribution Structure:
  - Construction of a new bypass around the wet weather Headworks facility from the Influent Control Structure to the primary influent conduits that lead to the wet weather primary sedimentation basins (SEP 040/041).
- Upgrades to the Bruce Flynn Pump Station:
  - Modifications to sewer connections and mechanical/electrical modifications.
  - Addition of new bar screens and upgrades to the electrical system.
  - Upon completion of these modifications, demolish the Southeast Lift Station (SELS).
- A new Bar Screens, Washer-Compacters and Screenings Handling Facility consisting of four multi-rake bar fine screens (three duty plus one standby), four screenings washer compactors, two shuttle hoppers, and a grit influent splitter structure.

- A new Grit Basins, Grit Washers and Grit Handling Facility using either the HeadCell (modular multi-tray grit tanks) or Pista360 (grit vortex) technology. This includes 12 HeadCell grit tanks with 24 grit pumps or six Pista360 tanks with 18 grit pumps. Both technologies involve 6 grit washers and two grit storage hoppers.
- A new Odor Control Facility, consisting of a two-stage system with bioscrubbers followed by carbon adsorption.
- New 50 mgd influent pump station, including influent piping and effluent force main, electrical building and odor control.
- Two new primary substations, each with a 15-kV vacuum circuit breaker, substation type, liquid-filled transformer, and a low-voltage power circuit breaker on the secondary side of the transformer.
- Electrical, Instrumentation and Control Rooms/Building.
- Demolition of both existing Headworks Facilities (SEP-011 and SEP-012).

Revisions

Scope Change: Addition	Schedule Change: +9 months	Budget Change: +$60.2M

Scope: Since 2016 the scope has been changed as follows:

- New bar screens and upgrades to the electrical system at Bruce Flynn Pump Station.
- New 50 mgd influent pump station, including influent piping and effluent force main, electrical building and odor control.

The Baseline project assumed that the modified Bruce Flynn Pump Station (BFS) would handle dry weather flows once the Southeast Lift Station was demolished. During design development it was determined that in order to convey influent to the BFS extensive sewer work along Rankin and Davidson Streets would be necessary, requiring high risk and, high cost construction of deep sewer lines and structures. The project team developed an alternative approach which requires building a new dry weather lift station on the north side of SEP. This approach provides significant advantages for reducing risk and improves handling of dry weather flows. Further upgrades were also added to the BFS including new bar screens and upgrades to the electrical system in order to further enhance long-term reliability.

Schedule/Budget: Working with the CM/GC, schedule modifications were made to deal with construction sequencing, interfaces with other projects, and provisions for wet weather testing of new facilities; which has resulted in project completion being extended from December 2023 to September 2024.

These scope and schedule changes have resulted in an increase in total project cost from $358.6M to $418.8M.

CWWSIPSE04 – SEP Primary and Secondary Clarifier Upgrades

Project Description

The major components of the project are as follows:

- Primary Sedimentation Tanks (SEP-042)
  - Replacement of air compressors, air dryers, and blowers
  - Replacement of Motor Control Centers (MCC), transformers, and transfer switch
  - Replacement of flight system rails and supports
  - Concrete repairs and coating of seven tanks and influent channel
  - Install flight monitoring system and sludge level meters
  - Covers for primary sedimentation tanks and ventilation system
- Secondary Sedimentation Tanks (SEP 230)
  - Retrofit existing secondary clarifiers (Only 8 of 16 included in this project)
  - Concrete crack repair and coating
  - Replacement of clarifier MCCs located in SEP-260
  - Provide local disconnects
  - Replace spray water system in the ML Channels
  - Replacement of all W3 lines and hose bibs
  - Route new 6-inch W3 piping to clarifiers
  - Installation of new water monitors
  - Replacement of eight influent 30" x 30" sluice gates
  - Replacement of eight dewatering 12" x 12" sluice gates

Revisions

Scope Change: None	Schedule Change: +5 months	Budget Change: None

Schedule: Due to vendor delays, plant shutdown cancellations, and unforeseen field conditions, a time extension of five months is needed to complete start-up and testing. The revised project schedule has project completion being extended from August 2018 to January 2019.

CWWSIPSE05 – SEP 521/522 and Disinfection Upgrades

Project Description

The major components of the project are as follows:

- SEP 521 Post-Chlorination building upgrades
  - Replacement of four electrically actuated sluice gates (96" x 96") with new sluice gates and hydraulic actuators.
  - Modifications to the existing SEP 521 building to include a new Effluent Sampling Station, new DCS Control Station, and upgrade to the existing bathroom for ADA compliance.
  - Electrical work (e.g. distribution panels, transformers, power to various mechanical equipment, refeeding source power from SEP 522, and lighting).
  - Mechanical work (e.g. effluent sampling stations, pumps, pipes and valves, HVAC and plumbing system).
  - Instrumentation & Control (I&C) work (e.g. chemical analyzers, new DCS workstations, display screens, I/O cards, switches, associated programming).
  - Installation of related structural work (e.g. demolition, equipment pad, anchorage).
  - Demolition of two mud valves and actuators.
  - Construction of new concrete access ramp and modifications to sidewalk grating system.
- New building (SEP 522) to house electrical and hydraulic controls
  - Construction of a new Electrical and HPU building (architectural, structural, and civil).
  - I&C work (e.g. new PLC panel, I/O cards, security system, network switches and associated programming; and connecting various equipment with control and monitoring system to plant DCS system).
  - Mechanical work (e.g. new HPU, Compressor, HVAC and Plumbing System and associated piping work).
  - Electrical work including (e.g. six new variable frequency drives for W3 pump motors, MCCs, switchboards, an emergency generator, distribution panels and lighting).
- Improvements to the No. 3 Water System (SEP-920)
  - Installation of six new 200 HP W3 pumps and motors, associated piping and valves as well as control and monitoring systems. This includes related civil work such as site drainage, grading and paving around the W3 pump area.
  - Demolition and modification of portions of the exiting site security wall and fence, including installation of new vehicle gates and temporary asphalt vehicle access path.
  - Removal of four existing W3 pumps, two strainers, appurtenances, associated valves and piping in SEP-540.

- Replace wood stop logs at SEP 540 – Effluent Control Structure.
- Replace gates and actuators in SEP-200 Aeration Tanks, SEP-525 Primary Effluent and Disinfection Facility, SEP-540 Effluent Control Structure, and SEP-545 Vault V.
- Replace valves and improve actuators/structures at SEP 530 – Chlorine Contact Channel related to W3 pump system.
- Replace dewatering pump and submersible sump pump, and install new hydraulic panel in SEP-526 Junction Structure.

Revisions

Scope Change: None	Schedule Change: +8 months	Budget Change: None

Schedule: The eight-month schedule delay is due to unforeseen site conditions, which required modification of underground conduits and the need to wrap galvanized rigid steel in polyurethane plastic. Project completion is extended from January 2019 to September 2019.

CWWSIPSE07 – SEP Facility-wide Distributed Control System Upgrades

Project Description

The project consists of:

- Development of a robust, flexible, and secure wastewater process control system using current technologies.
- Deployment of a control system that can be modified without requiring additional plant wiring and added I/O hardware to easily add new features or improve wastewater process controls as new technology becomes available.
- Integration with upgraded field instruments and motor control centers (MCCs) using smart instrumentation and MCCs with built-in diagnostics capabilities.
- Coordination and storage of process monitoring parameters in various systems DCS Historian, Computerized Maintenance Management System (CMMS), Laboratory Information Management System (LIMS) to maintain compatibility and consistency of the input data used for the system control and reporting.
- Providing easy access to process historical, energy consumption, operations and maintenance, and calibration data.
- Providing a seamless integration of the facility monitoring and control system to meet the WWE's need to better utilize resources, manage assets, and efficiently create reports.
- SSIP Phase 1 includes funding for planning, design and construction of improvements for the DCS elements associated with SEP (includes the provision of the DCS for SSIP's new Headworks and Biosolids projects), BFS, and CHS. Planning and design for DCS elements associated with OSP, WSS, and NPF.

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

CWWSIPSE08 – SEP Seismic Reliability and Condition Assessment Improvements

Project Description

The scope of this project includes the following to be confirmed through condition assessment:

- There are four chlorine contact channels in SEP that are an essential part of the disinfection treatment process. Each channel is approximately 9 feet wide, 10 feet high and 1000 feet long. They are enclosed type channels and buried approximately 7 feet below grade at average depth. The scope for this area includes repairing the structural component of the channels from the inside and coating the entire interior surface of the channels with anti-corrosion epoxy.
- This work is constructed under WW-613 521/522 and Disinfection Project. The estimate for this scope has been moved to project CWWSIPSE05: 521/522 and Disinfection Upgrades.
- SEP-540 Effluent Control Structure: Abrasive clean and epoxy coat channel, crack repair, corrosion (rebar) repair, and concrete void/spall/infiltration repair.
- 6-feet RCP from SEP-540 to Booster Pump Station: Crack repair, corrosion (rebar) repair, exposed aggregate and infiltration repair, new manhole chimney at Sta 3+81, and ladder repair.
- Conduits C, D, E – Concrete rehab: Crack repair, corrosion (rebar) repair, and concrete void/spall/infiltration repair.
- SEP-525 Box Channel – Concrete rehab: Crack repair, corrosion (rebar) repair, and concrete void/spall/infiltration repair.
- SEP-525 9-feet RCP to Junction Structure #5 – Concrete rehab: Crack repair, corrosion (rebar) repair, and concrete void/spall/infiltration repair.
- It is assumed that concrete rehabilitation of Conduits A, B, C will be completed through an R&R project.
- Seismic repair of SEP 042 – Primary Sedimentation Building No. 3.
- The three options being considered in the AAR include:
    - Option A: New piers at Treatment Plant tank interior.
    - Option B: New piers at Treatment Plant exterior – North and South ends.
    - Option C: New piers at Treatment Plant tank interior located directly over existing. openings at operation level and remaining piers located at the North and South ends.

Revisions

Scope Change: None	Schedule Change:+21 months	Budget Change: None

Schedule: The construction work on the Southside of the Sedimentation Building (SEP 042) is dependent upon completion of the seismic retrofit work on the Northside, which will be performed under the SEP New Headworks (Grit) Replacement Project (CWWSIPSE02). This sequential work requirement and the SSIP's standardization for closeout duration added an additional 21 months to the project resulting in a change in project completion from December 2019 to September 2021.

CWWSIPSE09 – SEP Existing Digester Gas Handling Improvements

Project Description

The project consists of:

- Process upgrades addressing deficiencies related to Digester Gas Compressors, Heat Exchangers and Controllers, Combined Primary Activated Sludge (CPAS) Tank, Boiler and Boiler Stacks, Waste Flare and Cogeneration Cooling Water System, and B100 Biofuel Tank (EPA permit compliance).
- Building systems and odor control unit (OCU) upgrades such as replacing Roof Drains, OCUs and upgrading ventilation and OCUs, Roof Replacement and Air Compressor (BAAQMD Permit Application).
- Electrical Upgrades related to External Lighting Upgrades and installing Fire Alarm Building 800 (safety).
- Control Upgrades such as installing CO Gas Monitors and Replacing Digester Gas Flow Meters (safety).
- 300 feet of waste gas piping and appurtenances.

Revisions

Scope Change: Addition	Schedule Change: +9 months	Budget Change: None

Scope: Since 2016 the scope has been changed as follows:

- Addition of 300 feet of waste gas piping and appurtenances. This addition to the project was the result of recent leaks in the existing piping.

Schedule: The bidding process started later than planned due to the need to re-package the contract documents with numerous iterations that were required to incorporate the Project Labor Agreement (PLA) requirements into the bid package. This nine-month delay and the program standardization for closeout duration have resulted in project completion changing from March 2019 to November 2019.

CWWSIPSE10 – SEP Power Feed and Primary Switchgear Upgrades

Project Description

The project consists of:

- A new redundant power service from the Potrero substation provided by the Power Enterprise.
- Upgrade existing Hunters Point feed to 12 MW by PG&E.
- Upgrade main switchgear to provide adequate power for all existing SEP electrical loads and SSIP SEP projects demands and peak loads.
- Replacement/upgrade fifteen (15) aging existing primary unit substations at SEP.
- Integration of Bruce Flynn Station and Booster Pump Station in to SEP MV PDS to take advantage of SEP redundant power feed instead of separate second feeds for these facilities from PG&E.
- Enhanced Energy Monitoring and Management System (EMMS) for the MV power distribution system.
- Coordination with other SEP projects and Biosolids Digester Facilities Project (BDFP) in particular to coordinate construction of a unified emergency power distribution system for SEP in place of the several emergency generators that are currently being utilized and/or in the process of being constructed to provide emergency power for critical processes.
- Construct a duct bank from the main switchgear to an electrical MH, in close proximity to the BDFP, where BDFP will extend the power supply to its facility.

Revisions

Scope Change: Refinement	Schedule Change: +29 months	Budget Change: +$14.4M

Scope: Since 2016 the scope has changed as follows:

- Provision of new redundant power service from the Potrero Substation by the Power Enterprise instead of PG&E.

The scope refinement is driven by the SFPUC's direction to have the Power Enterprise provide the redundant feed from Potrero substation to SEP. Originally, it was assumed that this would be accomplished by using the service of a single power provider (PG&E) to deliver two 12kV feeders (Potrero feed and Hunters Point feed) to SEP. Now, the 12kV feed from Potrero will be provided by the Power Enterprise and PG&E will upgrade its existing Hunters Point feed to 12MW.

Schedule/Budget: To accommodate the Power Enterprise Potrero feed construction schedule, the PG&E Hunters Point feed was re-scheduled to a later date. The Power Enterprise supplied Potrero feed must be available by January 2021 to meet the SEP increased demand. The Hunter's Point PG&E upgrade has a revised completion date of September 2021; which will result in project completion being extended from July 2020 to December 2022.

The increase in cost from $69.84M to $84.34M is based on receiving power from two separate providers and the cost of delaying construction.

CWWSIPSE11 – SEP Oxygen Generation Plant 01

Project Description

The new LOX facility scope of work is as follows:

- Demolition Work
  - Removal of three existing LOX storage tanks
  - Removal of four existing vaporizers
  - Removal of two existing Cryogenic Oxygen Plants
- Structural Work
  - Torque down piles
  - Concrete foundation floor slabs for LOX storage tanks and vaporizers
  - Concrete trench
- Installation Work
  - Installation of four vertical LOX storage tanks
  - Installation of four LOX vaporizers
  - Installation of a vacuum insulated piping for the package system
  - Installation of a LOX Unloading Station

Revisions

Scope Change: None	Schedule Change: +11 months	Budget Change: +$0.8M

Schedule/Budget: The eleven-month delay in design and certification of the construction contract is primarily due to the City's new financial system. This resulted in project completion being extended from December 2018 to November 2019. The cost increase from $9.0M to $9.8M is due to bids received that were higher than the engineers estimate.

Oceanside Treatment Plant (OSP) Improvements

CWWSIPTPOP02 – Westside Pump Station Reliability Improvements

Project Description

The project consists of:

- Replacement of existing bar screens and addition of screening washing and compaction systems.
- Construct an interconnection between the existing dry weather and wet weather channels downstream of the new screens.
- New HVAC system (cooling improvements) to manage rejected heat from electrical equipment.
- Replacement of existing wet weather pumps to provide pump redundancy. The construction would take place within the existing structure and includes the following major components:
  - Four new submersible pumps
  - 200 linear feet of 54-inch force main
- Increasing the power feeder capacity at WSS to account for additional wet weather pumping capacity to allow power source redundancy. The two new power sources from PG&E would run approximately 3,000 feet along the Sloat Blvd.
- Replacement of the existing odor control units (OCUs) at the WSS with dilution ventilation fans and ducting. An improved ventilation system would be installed within the pump station.

Revisions

Scope Change: Refinement	Schedule Change: +19 months	Budget Change: +$1M

Scope: Since 2016 the scope has changed as follows:

- Delete new screening channel and replace with interconnection between the existing dry weather and wet weather channels.
- Provide two independent power feeds from PG&E.

Scope refinement occurred as a result of value-engineering efforts and constructability reviews at 95% design which concluded that the equivalent redundant wet weather screen functionality could be achieved by interconnecting the existing dry weather and wet weather channels downstream of the new screens instead of constructing a new channel. Also, the provision for dual electrical feeds will be provided from two independent PG&E sources instead of interconnecting the Westside Pump Station to the feed at Oceanside Plant.

Schedule/Budget: These scope refinements require a delay to construction start to align the sequence of key construction activities that are required to occur during the dry weather season resulting in a change in project completion from December 2021 to June 2023.

Updated cost estimates at 95% resulted in a project cost increase from $70.5M to $71.5M.

CWWSIPTPOP03 – OSP Digester Gas Utilization Upgrade

Project Description

The project consists of:

- Replacement of the gas storage vessel and digester gas condition equipment. The gas cleaning system includes a 350 cfm system for moisture, H2S, and siloxanes removal. The project includes replacement of the gas holder with new gas holding tank that will provide compressed digester gas storage at an average digester gas production of approximately 450,000 cf/day.
- Replacement of the existing cogeneration Internal-Combustion units (IC engines) and controls. The existing IC engines will be replaced by three (2)-new 620 kW IC engines to accommodate the amount of digester gas anticipated during the maximum month condition.
- Provide ancillary exhaust gas conditioning system and heat exchanger systems to comply with regulatory air board requirements, maximize process efficiency and hot water production.
- Upgrade ventilation within the energy recovery building.
- Replace electrical gear at Sub-Station No. 5; provide paralleling electrical gear and power system reliability improvements.
- 500 kw standby diesel generator and diesel fuel storage system.

Revisions

Scope Change: Addition	Schedule Change: +12 months	Budget Change: +$6.2M

Scope: Since 2016 the scope has changed as follows:

- 500 kw standby diesel generator and diesel fuel storage system.

Contract constructability analysis and 95% construction cost estimate reconciliation has revealed the necessity for increased project scope to accommodate phased construction implementation, which is required to maintain plant operations. The additional scope includes the requirement of furnishing additional temporary equipment/facilities and the provision of permanent electrical redundancies (i.e. 500-kW stand-by diesel generator and diesel fuel storage systems) both necessary to ensure reliable plant process operations during and after

construction.

Schedule/Budget: This project requires a predecessor repair and replacement (R&R) funded construction contract that includes key project elements to be operational prior to construction. Additional delays were associated with obtaining the necessary Bay Area Air Quality Management District permits that delayed the functional and start-up testing of equipment required to be operational within the predecessor R&R project has resulted in an overall project schedule extension of 12 months with project completion from June 2020 to June 2021. This has also resulted in total project increase from $39.7M to $45.9M.

CWWSIPTPOP05 – OSP Condition Assessment Repairs

Project Description

The OSP Condition Assessment Repairs project will include planning, design, and environmental review of major improvements to the plant including: rehabilitation of building structures, rehabilitation or replacement of mechanical and electrical equipment, and seismic retrofit of process tanks and buildings. Improvements focus on maintaining operational reliability and extending the service life of buildings that are required to remain in operation for 30 years or more. A preliminary evaluation identified improvements to be addressed in various phases of the project, including those at the following buildings:

- 011 – Pretreatment/Solids
- 042 – Primary Clarifiers
- 200 – Aeration Basins
- 230 – Secondary Clarifiers
- 510 – Chemical Storage
- 530 – Chlorine Contact Channels
- 620 – Digester Operations
- 630, 640, 650, 660 – Digesters 1, 2, 3 and 4
- 741 – Digester Gas Holder
- 800 – Co-Generation
- 821 – Gas Burner
- 920 – Pipe Gallery
- 930 – Administration and Laboratory
- 961/962 – Parking and West Entrance Tunnel/East Entrance Tunnel

Revisions

Scope Change: None	Schedule Change: -24 months	Budget Change: None

Schedule: The refined project implementation funded two (2) construction contracts and the completion of the baseline project planning phase deliverables and preliminary design of contracts to be funded in subsequent phases of the SSIP. As such, project completion is now shortened from June 2021 to June 2019.

CWWSIPTPOP06 – OSP Odor Control Optimization

Project Description

This project includes planning, design, environmental review and construction/upgrades to inefficiencies identified in Building 042 (Primary Clarifiers). Currently, the air from the entire building is exchanged and scrubbed for odor. In order to significantly reduce the volume of air treated for odor, the primary clarifiers should be covered and only air from the primary clarifier basins scrubbed. The main components of this project included:

- New covers for the five primary clarifiers (each cover would be approximately 190 feet long by 38 feet wide).
- Duct work to connect the head space in each clarifier basin to the odor control system.

Current plans involve the completion of an odor control study as part of the Alternative Analysis Report (AAR) planning phase. Opportunities may exist for reducing energy consumption while maintaining effective performance and meeting offsite odor limits. These include optimizing system operation, consideration of different reduced backpressure media, implementation of new lower energy usage technologies, and ventilation strategies including reduced turnover, covers for reducing volume, and air transfer. Based on the results of the alternative analysis, the project will forego covering the primary clarifiers and implement other optimization measures in its place.

Revisions

Scope Change: Refinement	Schedule Change: -19 months	Budget Change: None

Scope: Since 2016 the scope has changed as follows:

- Implement odor optimization strategies instead of covering the primary clarifiers.

This refinement includes optimizing odor control collection and treatment system operations, implementation of new lower energy usage technologies, and new ventilation strategies to optimize efficiency.

Schedule: The construction implementation and closeout phases can be accelerated based on the refined project scope of work, which allows for project completion to be reduced from April 2022 to September 2020.

North Point Wet Weather Facility Projects

CWWSIPTPNP02 – North Shore Pump Station Wet Weather Improvements

Project Description

The project scope consists of:

- Demolition of the Materials Testing Lab within the North Shore Pump Station.
- Replace four Dry Weather (DW) pumps with larger units so that 3 of the 4 pumps are capable of pumping 75 mgd during wet weather.
- Replace/extend discharge piping as needed for new flow path.
- Upgrade dewatering system, personnel elevator, bridge cranes, ventilation system and odor control system.
- Replace dry weather bar screens.
- Upgrade electrical systems.
- Full-range flow meter for each discharge pipe for measurement and regulatory requirements.
- Upgrades to existing standby generator to operate any one (1) of the dry weather pumps.
- Upgrades to the existing ferrous chloride system with double walled tanks, metering pumps and secondary containment system.
- Corrosion control and concrete coating at inlet channels and wet well.
- Re-roof North Shore Pump Station.

Revisions

Scope Change: Refinement	Schedule Change: +7 months	Budget Change: -$14.8M

Scope: Since 2016 the scope has changed as follows:

- Instead of constructing a new 75 mgd addition to the wet weather pumping, upgrade the dry weather pump station and expand its functionality to pump 75 mgd in wet weather

A study performed during design of the baseline scope demonstrated that redundant pumping capacity of only 75 MGD is adequate to meet the LOS. A detailed constructability analysis of the baseline project identified major risks related to deep excavation in the vicinity of existing facilities. A revised scope was developed to upgrade the existing dry weather pumps and cross over force main piping to achieve the additional 75 MGD redundancy. The revised scope also includes upgrading ancillary mechanical and electrical systems and related structural improvements within the existing pump station.

Schedule/Budget: The scope change resulted in a delay in design activities, with a resulting delay in starting construction. Therefore project completion is extended from December 2020 to July 2021. The scope change has resulted in a reduction in total project cost from $69.8M to $55.0M.

COLLECTION SYSTEM PROJECTS

Central Bayside System Improvement Projects

CWWSIPCT01 – Central Bayside System Improvement Project (CBSIP) - Phase 1

Project Description

Based on the Alternative Analysis Report (AAR), the main components of the Channel Tunnel are as follows:

- A gravity tunnel with an eastern (Indiana) or western (Carolina) alignment, approximately 24-feet in diameter and up to 10,000 feet long, extending from the existing CHS near Mission Creek to the SEP.
- A new Channel Tunnel Lift Station (CLTS) with approximately 120 million gallons per day (mgd) capacity, located in the vicinity of the SEP at the southern end of the CHTL
- A retrofitted CHS to include additional pumping functions, potential grit removal, and potential odor control.

Revisions

Scope Change: None	Schedule Change: +18 months	Budget Change: None

Schedule: Phase 1 of SSIP includes CBSIP development through 35% design. The project schedule was impacted by delays in completing design phase geotechnical investigation because of accessibility to sites, availability of drillers, extensive laboratory testing required, and challenges with obtaining inter-agency agreements related to the tunnel portal and pump station sites.

As a result, Phase 1 activities are being extended from June 2017 to December 2018.

Interceptors/Tunnels/Odor Control

CWWSIPCSSR02 – Collection System Condition Assessment

Project Description

This project consists of:

- Perform condition assessments and confirming the needs for rehabilitation or replacement of up to 13-miles of sewers and to a maximum budget of $10,912,000.
- The priorities of where condition assessment is performed may change if new data becomes available.

- The following condition assessment steps are expected:
  - Identify goals for condition assessment,
  - Determine the type and level of condition assessment needed,
  - Perform asset inspection (as necessary),
  - Perform data analysis, and
  - Provide recommendations for project initiation in CWWSIPCSSR_N02.

Due to the uncertainty in this project scope, a budget limit was established for the above effort.

Upon completion of the condition assessment, the needs and methods of rehabilitation or replacement will be used to initiate sewer improvement projects in SSIP Project CWWSIPCSSR_N02 (SR_N02).

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

CWWSIPCSSR03 – Kansas and Marin Streets Sewer Improvements

Project Description

The proposed project consists of:

- Land acquisition for sewer construction and permanent sewer easement.
- Temporary construction easement for construction of the new auxiliary sewer.
- Relocation assistance associated with the sewer easement and displacements of existing lease-holders who occupy SFPUC's property above the C-Box Transport Storage structure (Lot 031).
- Construction of 900 linear feet of 8-foot diameter tunnel installed using conventional road header construction method in an easement through SFPW's Maintenance Yard.
- Construction of two new reinforced concrete junction structures (including angled access manhole structures) to connect with the existing sewers.
- Surface restoration work associated with construction and installation of the above assets.

Revisions

Scope Change: Addition	Schedule Change: +37 months	Budget Change: +$9.7M

Scope: Since 2016 the scope has changed as follows:

- Delete open-cut construction of 365 linear-feet of 102-inch diameter reinforce concrete sewer, and replace with construction of 300 linear-feet of 8-foot tunnel installed using a conventional road header construction method.

The original project assumed open-cut construction of approximately 365-LF of 8.5-foot diameter reinforced concrete pipe (RCP) in a new permanent sewer easement located within a private property. SFPUC was unable to negotiate for a sewer easement with the property owner, and therefore, the project scope is changed to 900-LF of 8-foot diameter tunnel, installed via a conventional road-header construction method, through SFPW's Maintenance Yard.

Schedule/Budget: Due to the change in project alignment, additional time and budget are needed for the design, environmental approval, right-of-way, and construction activities. As a result, the project completion has been extended from November 2018 to December 2021, and the project budget has increased from $7.7M to $17.5M.

CWWSIPCSSR09 – Drumm and Jackson Streets Sewer System Improvement

Project Description

The proposed project consists of:

- Rehabilitation the following sewers using Epoxy Coating as the trenchless method:
  - Approximately 800 feet of the Drumm Street Box Sewer (7'6" x 6'0").
  - Approximately 200 feet of the Jackson Street Box Sewer (8'6" x 7'0").
- Associated work for the rehabilitation will include:
  - Perform necessary cleaning for trenchless rehabilitation.
  - Bypass sewer flow by damming and piping through the existing box sewer.
  - Perform surface restoration.
  - Coordinate work with WWE to ensure worker safety and prevent any wet weather impacts.
- CEQA approval (current assumption is Cat Ex) and public outreach of the project.
- As necessary, execute a Memorandum of Understanding with SF Port for the work near the intersection of The Embarcadero and (the paper street) Jackson Street.

Revisions

Scope Change: None	Schedule Change: +3 months	Budget Change: -$2.8M

Schedule/Budget: Due to the current bidding climate, the advertisement period was extended and additional outreach was performed to attract potential bidders. As a result, the project completion extended from December 2018 to March 2019.

During the design phase, a more economical repair method was it was selected, which resulted in a reduction in project cost from $11.1M to $8.3M.

CWWSIPCSSR11 – Cargo Way Sewer Box Odor Reduction

Project Description

The proposed project consists of:

- Preparation of a Needs Assessment Report to identify odor control opportunities in the Bayside collection system based on the WATS model evaluation. (Completed).
- Odor control improvements identified by Operations for sewer box located at Cargo Way include the following:
  - Identification of flow sources and potential Infiltration and Inflow (I&I) issues
  - Installation of tee at Booster Pump Station Effluent manifold
  - Trenchless installation of 50 LF of 12-inch Ductile Iron Pipe (DIP) inside 18" steel casing beneath SFMTA tracks
  - Installation of 3,950 LF of 12-inch DIP
  - Installation of backflow preventer and control valves
- Obtain CEQA approval (CatEx is assumed) and other necessary permits as necessary to implement project (such as Maher and BCDC application)
- Establish construction and long-term MOU with SFMTA and SF Port
- Conduct public outreach to the community, including SF Port and its stakeholder

Revisions

Scope Change: None	Schedule Change: +17 months	Budget Change: None

Schedule: The project was put on hold while additional studies were conducted to confirm the project concept was consistent with future dry weather operational challenges at SEP related to daily flow equalization strategies.

As a result, the project completion extended from February 2020 to July 2021.

CWWSIPCSSR_N02 – SSIP Sewer Improvement Projects

Project Description

Based on the available budget and assumed scopes of work, the entire length of sewer for each potential project would be rehabilitated. The project team determined these four potential projects can be completed:

- Glen Park Sewer Rehab
- Lake Street Sewer Rehab
- Lake Merced Drain to Vista Grande Canal Rehabilitation
- SOMA Large Sewer Rehabilitation

The list and scope of the above projects may change pending the condition assessment outcome from SSIP Project CWWSIPCSSR02, and the scope may also be adjusted to the meet the available budget.

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

Interdepartmental Projects

CWWSIPCSSR04 – Van Ness BRT Sewer Improvements

Project Description

The scope of sewer work includes the following:

- Construct approximately 20,000 LF of 12-inch to 54-inch diameter VCP and RCP sewers or HDPE sewers in steel casing between Mission Street and Lombard Street for a twin sewerage system along the entire corridor.
- Construct 197 concrete manholes along the new sewer alignment.
- Repair, replace, or construct approximately 2,215 LF of 6-inch or 8inch side sewers and connect to the newly constructed main sewer.
- Construct 100 new concrete catch basins to ensure proper overland flow drainage around the proposed platforms and bulb-outs.
- Install 121 new cast iron water traps for existing catch basins to remain where connections to new main sewers are necessary.
- Construct approximately 2,200 LF of 10-inch diameter VCP culverts for new catch basins.
- Inspect newly constructed main sewers, side sewers and culverts by closed-circuit television (CCTV).
- Plug and fill to abandon approximately 1,800 LF of existing sewers where sewers are to be relocated.

Revisions

Scope Change: None	Schedule Change: +13 months	Budget Change: +$6.1M

Schedule/ Budget: Due to a series of bidding complications, delays, and utility conflicts on this San Francisco Municipal Transportation Agency (SFMTA) contract, the start of construction was delayed. As a result, project completion is extended from June 2020 to June 2021.

Baseline project budget of was established from engineer's estimates (EE) and on cost-sharing defined in an SFMTA/SFPUC Memorandum of Understanding (MOU). Subsequently, SFMTA issued the construction contract for this project and based on the contract price (versus EE), SFPUC's share of project cost increased from $15.0M to $21.1M.

CWWSIPCSSR05 – Better Market Street Phase 1

Project Description

In line with SSIP's strategy to work with other City and County agencies on projects they initiated to protect value and function of wastewater facilities, the BMS State of Good Repair Project will be completed in SSIP. This interdepartmental project will replace aging infrastructure such as the sewers which are made of bricks and are over 100 years old. The SSIP will participate in this project with the replacement of most of the sewers in Market Street.

Phase 1 will consist of a two block pilot project on Market Street between 6th Street and 8th Street.

Revisions

Scope Change: Deletion	Schedule Change: -10 months	Budget Change: -$22.3M

Scope: Since 2016 the scope has changed as follows:

- Reduction in scope on Market Street from Embarcadero to Octavia Street to 6th Street to 8th Street.

The original project scope included the Market Street corridor from Embarcadero to Octavia Street. However, SFPW and SFMTA decided to implement a two block pilot project, on Market Street from 6th to 8th Streets, for Phase 1. The current scope of work only includes the Phase 1 work.

Schedule/Budget: Due to the reduced scope of the project, completion has been shortened from January 2023 to March 2022, and the total project cost reduced from $32.4M to $9.8M.

CWWSIPCSSR06 – Geary BRT Sewer Improvements Phase 1

Project Description

Generally, the MTA scope of work does not trigger sewer relocation except in some cases the addition of concrete or curb alignment change will prompt relocation of catch basins, side sewers vents, and manholes. SFPUC will be determining the condition of sewers along the Geary Corridor. This project includes replacement or rehabilitation of existing 6-inch to18-inch diameter circular sewers and 3-foot by 5-foot non-circular egg-shaped brick sewers. Any sewer work required, whether it is sewer relocation, sewer rehabilitation or sewer replacement, will be undertaken as part of SFMTA's project. Approximately 1.5 miles of sewers along this corridor, on Geary Boulevard, and on nearby cross streets, have been identified as possibly needing replacement. The weighted average age of these sewers is 78 years. Cost information provided below is based on the net present value of the initial screening and will change once project proceeds to design phase.

Revisions

Scope Change: Deletion	Schedule Change: +19 months	Budget Change: -$4.1M

Scope: Since 2016 the scope has changed as follows:

- Reduction in the amount of sewer work needed from 2.5 miles to 1.5 miles.

The original project scope estimated 2.5 miles of sewer work; however, based on engineering evaluations, approximately 1.5 miles of aging sewers have been determined to be in need of rehabilitation and replacement. Therefore, the scope of work has been reduced to 1.5 miles of sewers along the Geary Street corridor and nearby cross streets.

Schedule/Budget: SFMTA delayed the design schedule due to environmental clearance, public outreach and the design of transit surface work. In October 2017, SFPUC management decided to issue the sewer and water work as a separate SFPUC contract. The revised schedule reflects the design delay and repackaging of the contract into a SFPUC contract. As a result of the above changes, project completion is extended from July 2019 to February 2021.

Due to the reduced scope of the project, the total project cost reduced from allowed the project budget to be reduced from $17.0M to $12.9M.

CWWSIPCSSR10 – Masonic Avenue Sewer Improvements

Project Description

The proposed sewer work is as follows:

- Furnish and install approximately 4,747 LF of 12-inch, 15-inch, 18-inch, 21-inh, and 24-inch vitrified clay pipe (VCP)

- Line existing 12-inch diameter VCP sewer with cured-in-place liner
- Construct 6 and/or 8-inch side sewer connections
- Cast-in-place or precast manholes and catch basins
- Clean/mortar existing manholes

2018 Revisions

Scope Change: None	Schedule Change: +8 months	Budget Change: No

Schedule: The sewer construction was 95% complete in the fall of 2017 but the contractor has been deferring the remaining sewer scope due to other Masonic Avenue Complete Streets contract priorities. As a result, the project completion is extended from May 2018 to December 2018.

CWWSIPCSSR13 – Taraval Sewer Improvements

Project Description

The scope of the sewer work includes replacing approximately 19,000 LF of 12-inch to 36-inch diameter ISP, VCP, RCP, or concrete sewers along Taraval Street between 15th Avenue and 46th Avenue, and Ulloa Street between Forest Side Avenue and 15th Avenue for a twin sewerage system.

2018 Revisions

Scope Change: None	Schedule Change: +6 months	Budget Change: +$12.7M

Schedule/Budget: The schedule delay is due to significant utility conflicts discovered during the 65% design effort, which required the redesign of project elements. These design changes have resulted in an extension of the project completion from October 2020 to April 2021.

Due to the significant issues associated with the utility conflicts and the present market conditions affecting bid prices, the project cost increased from $20.4M to $33.1M.

CWWSIPCSSR_N03 – Geary BRT Sewer Improvements Phase 2

Project Description

SFPUC will be determining the condition of sewers along the Geary Corridor. Any sewer work required, whether it is sewer relocation, sewer rehabilitation or sewer replacement, will be undertaken as part of SFMTA's project.

SFPW has started the pre-planning phase in determining sewers that may need replacement due to age and/or condition. Approximately 2.2 miles of sewers on this Geary corridor, from

Stanyan Street to 34th Avenue, and on nearby cross streets, have been identified as possibly needing replacement. The weighted average age of these sewers is 74 years.

2018 Revisions

Scope Change: None	Schedule Change: +27 months	Budget Change: None

Schedule: The project was put on hold by SFMTA pending completion of Phase 1 design and the CEQA review process. As a result, the project completion is extended from January 2018 to March 2020.

Pump Stations and Force Mains Improvement Projects

CWWSIPCSPS02 – Force Main Rehabilitation at Embarcadero and Jackson Streets

Project Description

This project consists of the following:

- Rehabilitate approximately 190 LF of the NSFM that is located outside the Jackson Street Transport/Storage Box (JST) by installing a 28-inch outside diameter, DR26 HDPE pipe.
- Replace approximately 50 LF of the NSFM that is located outside the JST and underneath the Jackson combined sewer discharge (not via sliplining).
- Construction of a valve, valve-vault and associated mechanical/electrical controls to allow WWE Operations to direct combined sewage flows to either the NSCFM or to the existing NSFM.
- Establish a Memorandum of Understanding with SF Port (and/or its tenant) for the temporary construction and permanent O&M easement for the NSFM asset.
- Obtain CEQA approval (current assumption is CatEx) for the project.
- Perform public outreach to the community, including stakeholders along SF Port's waterfront area.

Revisions

Scope Change: None	Schedule Change: +35 months	Budget Change: +$4.1M

Schedule/Budget: To reduce project risk, it was determined additional field work was necessary to confirm the construction method. Limited work days and work hours, due to the proximity to cruise terminal, Giants Stadium, future Warriors Arena and business corridor will also impact construction duration. This has resulted in project completion being extended from December 2018 to October 2021.

As a result of these scheduling delays and longer construction duration, the total project cost increased from $5.8M to $9.9M.

CWWSIPCSPS03 – Mariposa Dry Weather Pump Station & Force Main Improvements

Project Descriptions

The proposed project consists of the following:

- Increase the dry weather pump capacity to handle a peak flow rate of 5.0 MGD
- Demolish existing pump station building, underground structure, wet well, electrical system, and associated assets to make room for a new pump station.
- Obtain CEQA approval (MND is assumed) for the project, and apply for necessary permits (BCDC, Maher's Ordinance, etc.) to construct the improvements.
- Construct a new pump station building, underground structures, and wet well within existing SFPUC land and an expansion of the existing SF Port easement, including:
    - Replacing the deteriorated main discharge valve.
    - Replacing the crane system with one capable of supporting the larger, new pumps.
    - Providing security cameras.
    - Providing emergency access key box at gate and main entry door.
    - Providing accessible egress gate and improving Vactor truck access by modifying perimeter fence.
    - Providing code-compliant emergency exit lighting with battery backup along egress path of travel and at exterior door landing.
- Construct new MCCs, DCS, PLC, panels, power service, and level monitoring system, including:
    - Upgrading and/or replacing power service to the pump station to accommodate power requirement for new dry weather pumps.
    - Evaluating PLC replacement as part of ongoing effort to replace PLCs system-wide.
    - Replacing the compressor and receiver to maintain system reliability during the service life of the building, and evaluating Ultrasonic Level Detection as primary control instrument.
    - Construct new HVAC and Odor Control System, including:
        - Investigating the adequacy of the current HVAC system to provide necessary ventilation and replacing HVAC equipment as required.

  - Replacing odor control unit and ducting. New odor control unit type will be decided by WWE O&M for system-wide consistency of odor control equipment and operations.

- Obtain permanent power supply from Power Enterprise.
- Replace the existing dry weather force main with a new larger diameter force main downstream of the new dry weather pump station. Utility coordination and/or relocation may be necessary with the replacement of the force main.
- Establish MOU or apply for encroachment permit for temporary construction easement within SF Port's jurisdiction.
- Conduct public outreach to the community, including SF Port and its stakeholders.

Revisions

Scope Change: Refinement	Schedule Change: +5 months	Budget Change: None

Scope: Since 2016 the scope has changed as follows:

- Secure an expansion of the existing easement with SF Port
- Obtain permanent power supply from Power Enterprise

Scope refinements include easement acquisition with the Port of San Francisco as the new pump station needs to be enlarged and re-aligned; obtaining permanent power supply from SFPUC/ Power Enterprise instead of PG&E; and separating the force main work to be included in another SFPUC project (duct bank work) to reduce construction impacts to the community.

Schedule: The schedule was impacted by the required sequencing with ongoing duct bank work under another SFPUC project, which required repackaging of contract documents. Furthermore, coordination and sequencing with the ongoing Mission Bay Development Group projects further delayed the start of construction. The original schedule for project completion has been extended from January 2021 to June 2021.

CWWSIPCSPS06 – Griffith Pump Station Improvements

Project Description

The proposed project consists of:

- Replacing the dry weather pumps and rebuilding the wet weather pump, including installation of new sump pumps to maintain the existing capacity of 11.5 MGD and 120 MGD.
- Installation of new bar screens (including motors, VFDs, housing, control panel, hardware, etc.).

- Installation of two new bridge cranes in the manifold room and main pump area.
- Replacement of the bar rack room crane with a new monorail system.
- Perform structural modifications, as necessary, in support of mechanical systems installations, including: Replacement of the dry weather manifold piping and associated appurtenances with HDPE pipes (associated appurtenances include check valves and knife gate valves, and pipe supports [flowmeter will be salvaged]).
- Modification of the manifold room stairway and catwalk to accommodate a new crane system, and widening of manifold room access hatch.
- Downsize the OCU exhaust fans to match capacity rating of OCU (to better facilitate removal of hydrogen sulfide).
- Modification of the HVAC system to increase the hourly air changes in the bar rack area, in accordance with WWE standards and NFPA 820.
- Removal of most of the dry weather manifold piping in manifold room. This would include check valves and knife gate valves, while flowmeters would be salvaged.
- Construction of two canopy systems to protect outdoor equipment, including chemical tanks, metering pumps, ultraviolet light, and associated deteriorating elements.
- Installation of a tamper-proof roof access ladder.
- Replace and improve electrical work; including a new station switchgear, MCCs, one ATS, and refurbish existing standby generator.
- Upgrade existing station with new automation and instrumentation equipment, control devices, and programmable controllers.
- Obtain CEQA approval (CatEx is assumed) and other necessary permits for the project.

Revisions

Scope Change: Addition	Schedule Change: +5 months	Budget Change: +$7.9M

Scope: Since 2016 the scope has changed as follows:

- Provide new switchgear, MCC and electrical connections needed due to a PG&E transformer failure
- Upgrades to instrumentation and control system

Scope increases were associated with electrical work, including repair needed due to recent failure of a PG&E transformer, a new switchgear, MCC and electrical connections, instrumentation and control system improvements, and design modifications to comply with code changes after 2016.

Schedule/Budget: Due to the changes described above, additional design and construction times were needed, which extended the project completion from July 2019 to December 2019.

Due to the scope increases, schedule changes and market conditions (the low bid was higher than engineer's estimate), the total project cost increased from $7.0M to $15.0M.

Combined Sewer Discharge (CSD) and Transport/Storage (T/S) Structure Projects

CWWSIPCSD01 – Richmond Transport/Storage Tunnel Rehabilitation

Project Description

The scope of this project includes the evaluation of rehabilitation methods for the Richmond/Transport Storage Tunnel to confirm the previous findings and recommendations included in the physical modeling performed by PMC and presented in October 2013 to resolve historical surge issues identified. The model identified the causes of geysering through vent holes and dislodging manhole covers in various areas, and included modification recommendations including odor solutions that will be verified during the Planning Phase of this project.

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

CWWSIPCSD03 – Beach and Sansome St. CSD Rehabilitation Project

Project Description

Scope of work for these CSDs are based on historical performance and WWE Operations video inspection records include:

Beach Street CSD:

- Cleaning and specific condition assessment of the asset
- Provide necessary ventilation
- Inspection of baffles and restore baffle, if needed
- Inspect weirs and repair crack at the weir
- Repair corroded metal ceiling
- Install a backflow prevention system

Sansome Street CSD:

- Cleaning and specific condition assessment of the asset
- Provide necessary ventilation
- Repair necessary concrete crack and spalling, exposed rebar, and an I-beam
- Replace butterfly valve seals
- Install a backflow prevention system

Revisions

Scope Change: Addition	Schedule Change: +4 months	Budget Change: +$0.6M

Scope: Since 2016, the scope has changed as follows:

- Installation of a backflow prevention system at the Beach Street CSD structure.
- Installation of a backflow prevention system at the Sansome Street CSD structure.

The planning phase for the rehabilitation project included procuring two contracts for survey and structural condition assessment of the CSD structures. The baseline project scope did not include installation of a backflow prevention (BFP) system as a part of this project. The backflow installation was part of the CSD Backflow Prevention and Monitoring Project (CWWSIPCSD04). It was decided to move that scope into this project in order to reduce the construction impact on the system and the neighborhoods by having construction for each asset at one time.

Schedule/Budget: The Condition Assessment process and the incorporation of the BFP resulted in extending project completion from December 2019 to April 2020.

The added BFP increased the total project budget from $2.5M to $3.2M. The increase is a reallocation from CSD Backflow Prevention and Monitoring Project (CWWSIPCSD04).

CWWSIPCSD04 –CSD Backflow Prevention and Monitoring

Project Description

Collection system assets that contribute to saltwater intrusion fall into two categories: conveyance (groundwater infiltration through defects) and CSD structures (tidal backflow, inflow through defects, or groundwater infiltration). A component of this project involves developing and implementing a CSD and conveyance monitoring plan to gather data on the salinity in the whole collection network to be able to locate potential infiltration sources in the collection system and then verify performance once improvements (implemented through SFPUC's R&R Program) have been completed. It is anticipated that the monitoring program will consist of CSD monitoring, as well as monitoring of conveyance systems (pump stations, trunk-line, and mobile sites).

The scope also includes planning, design and installation backflow preventers at selected CSD outfalls, which may include engineering survey of CSD weir elevations and lengths. Backflow preventers will be installed in a phased and monitored approach, with the following priority CSD outfalls considered based on locations with the potential for highest inflow in the system for the same tide:

- CSD 17 – Jackson Street
- CSD 10 – Pierce Street
- CSD 40 – Griffith Street
- CSD 31A – Islais Creek North
- CSD 32 – Marin Street
- CSD 33 – Selby Street
- CSD 41 – Yosemite
- CSD 35 – 3rd Street South

The project scope will be fluid and subject to change based on monitoring results.

Revisions

Scope Change: Deletion	Schedule Change: None	Budget Change: -$1.4M

Scope: Since 2016, the scope has changed as follows:

- Installation of backflow prevention systems at Beach Street, Sansome Street, 5th Street, and North 6th Street CSD structures to be included under CWWSIPCSD03 and CWWSIPCSD05.
- CSD engineering survey of weir elevations and lengths.

The project included installation of backflow prevention (BFP) system for Beach, Sansome, 5th, and North 6th CSDs. It was determined to include the BFP installation in the CSD rehabilitation projects (CWWSIPCSD03 and CWWSIPCSD05), to limit the impact of construction on the neighborhoods and our collection system operations.

Budget: The budget for design and construction of BFPs will be moved to two CSD rehabilitation projects, resulting in a reduction in project cost from $15.0M to $13.6M.

CWWSIPCSD05- 5th, North 6th and Division St. CSD Rehabilitation Project

Project Description

Hydraulic modeling of the three CSDs will be performed as their functions are related. Scope of work for these CSDs are based on historical performance and WWE Operations video inspection records and include:

- Cleaning and specific condition assessment of the asset
- Provide necessary ventilation
- Repair necessary concrete crack and spalling and exposed rebar

In addition to the work common to all three CSDs noted above, the following will also be completed:

- Provide safe access, rehab/replace the flap gate at 5th St. CSD and North 6th St. CSD
- Refurbish gates at Division CSD
- Repair the baffle at Division CSD
- Installation of a backflow prevention system at the 5th Street CSD structure
- Installation of a backflow prevention system at the 6th Street CSD structure

Revisions

Scope Change: Addition	Schedule Change: None	Budget Change: +$0.7M

Scope: Since 2016, the scope has changed as follows:

- Installation of a backflow prevention system at the 5th Street CSD structure
- Installation of a backflow prevention system at the 6th Street CSD structure

The baseline project scope did not include installation of a backflow prevention (BFP) system because it was part of the Backflow Prevention and Monitoring Project (CWWSIPCSD04); however, in an effort to reduce the construction impacts on the system and the neighborhoods, the BFP scope was added to this project.

Budget: The added backflow prevention system increased the project costs from $4.6M to $5.4M. The increase will be reallocated from the Backflow Prevention and Monitoring Project (CWWSIPCSD04).

Stormwater Management Projects

Early Implementation Projects

CWWSIPFCDB01– Sunset Green Infrastructure

Project Description

Sunset Boulevard is a large arterial roadway with three lanes of traffic in each direction, a central vegetated median, and large City-owned landscaped parcels with walking paths fronting either side. The Sunset Boulevard Greenway project will construct a series of tiered bioretention rain gardens in the western stretch of landscaped parcels along 12 blocks stretching from

Golden Gate Park to Lake Merced. The rain gardens will manage stormwater runoff on the west side of Sunset Boulevard from the street, paths, and a portion of the landscaped parcel area. The project will also incorporate a "Learning Lab" to supplement elementary school curriculum.

Revisions

Scope Change: Deletion	Schedule Change: 9 Months	Budget Change: -$2.3M

Scope: Since 2016 the scope has changed as follows:

- Move all plant establishment and monitoring activities to the Yosemite EIP project.
- Develop 12 bocks instead of 16 blocks.

The original baseline project assumed 16 blocks would be developed, and it is now anticipated that only 12 blocks will be included in the project. In addition, the 2.5 years of plant establishment following construction will be moved to Yosemite Green Infrastructure Project (CWWSIPFCDB06) to allow for administrative close-out of this project.

Budget: With the removal of the plant establishment work, the project cost reduced from $10.7M to $8.4M.

CWWSIPFCDB02 – North Shore Green Infrastructure

Project Description

Stormwater will route to flow-through bioretention planters with surfaces set lower than the surrounding grade. During large storm events, ponded water at the surface of the planters will reach a maximum depth of 6 inches before it crests an overflow weir, either to a lower planter tier or to a concrete valley gutter running the length of the alley. To protect the adjacent building foundations, an impermeable waterproof liner will be placed along the bottom and sides of the planters. New street surfacing and furnishings will provide improved community space for local residents and visitors. The project is designed to manage runoff from 0.1 acres, removing around 300,000 gallons of stormwater in a typical year.

Revisions

Scope Change: Refinement	Schedule Change: -15 months	Budget Change: -$0.6M

Scope: Since 2016 the scope has changed as follows:

- Move all plant establishment and monitoring activities to the Yosemite EIP project.

Baseline project includes plant establishment for 2.5 years following construction. This activity will be moved to the Yosemite Green Infrastructure Project (CWWSIPFCDB06) to allow for administrative close out of this project.

Schedule/Budget: As a result, the forecasted project completion is changed from March 2020 to December 2018, and the project cost reduced from $2.5M to $1.9M.

CWWSIPFCDB04 – Sunnydale Green Infrastructure

Project Description

The Visitacion Valley Green Nodes project is comprised of two subprojects ("nodes") at different locations within the neighborhood. The first node, identified as the Leland Avenue Rain Garden, is on an open-space parcel owned by the San Francisco Recreation and Park Department at the end of Leland Avenue. The project creates a large terraced bioretention facility that will capture, store, and infiltrate runoff from the impervious roadway and an adjacent vegetated sloped area. This location will also provide community benefits by enhancing an adjacent existing community vegetable garden and creating a pedestrian connection to McLaren Park. The second node, identified as the Sunnydale Avenue Mini-Plaza, consists of large midblock and corner bulb-outs containing bioretention planters at a busy T-intersection at Rutland Street in front of a church/school. The planters remove stormwater while also providing traffic calming and pedestrian safety. The small urban plaza and landscaping will provide a pleasant community space for the neighborhood. The project is designed to manage runoff from 1.8 acres, removing 0.8 million gallons of stormwater in a typical year. Approximately one block of local sewer work on Rutland Street will be included into the construction contract to minimize construction impact. The project cost of that sewer improvement is accounted for separately.

Revisions

Scope Change: Refinement	Schedule Change: -21 months	Budget Change: -$0.7M

Scope: Since 2016 the scope has changed as follows:

- Move all plant establishment and monitoring activities to the Yosemite EIP project.

Baseline project includes plant establishment for 2.5 years following construction and performance monitoring for two wet weather seasons. These activities will be moved to the Yosemite Green Infrastructure Project (CWWSIPFCDB06) to allow for administrative close out of this project.

Schedule/Budget: As a result the forecasted project completion is changed from November 2020 to February 2019, and the total project cost is reduced from $5.0M to $4.3M.

CWWSIPFCDB05 – Richmond Green Infrastructure

Project Description

At El Camino Del Mar, the following will be completed under this project:

- New pedestrian crosswalk.

- Sixteen terraced rain gardens adjacent to crosswalks from the Legion of Honor parking lot down to the Lands End Trailhead, including debris traps at the inlets to capture the abundant vegetative litter.
- Subsurface infiltration galleries connected to the northern and southern planters on either side of the road.
- Soil stabilization techniques in selected locations on the southern slope of El Camino Del Mar.
- Sewer main upsizing between Lands End Trailhead and manhole east of 32nd Avenue.
- Upgrade existing crosswalks to comply with the Americans with Disabilities Act.

At Beach Terrace, the following will be completed under this project:

- Sea Cliff Avenue:
  - Permeable pavement in the parking strips between 25th & 26th Avenues.
  - Three rain garden bulb outs at the eastern & western ends of the permeable pavement
  - One flow-through (under-drained) rain garden at the southeast corner of the intersection with 26th Ave., where soils were found to have low infiltration rates
  - Two traditional (infiltrative) rain garden bulb-outs at the southwest corner and eastern edge of the intersection with 25th Ave., where infiltration rates are much higher
  - Improved catch basins on Sea Cliff Avenue west of the 26th Ave. intersection
- GGNRA land:
  - One large, traditional rain garden at the top of the stairway to Baker Beach from the 25th Ave. North cul-de-sac

Revisions

Scope Change: Refinement	Schedule Change: None	Budget Change: +$1.9M

Scope: Since 2016 the scope has changed as follows:

- Move all plant establishment and monitoring activities to the Yosemite EIP project.

Baseline project includes plant establishment for 2.5 years following construction and performance monitoring for two wet weather seasons. These activities will be moved to the Yosemite Green Infrastructure Project (CWWSIPFCDB06) to allow for administrative close out of this project. The original scope included curb-to-curb porous asphalt pavement on Seacliff Ave. between 25th, and 26th Avenue. However, based on stakeholder feedback, it was decided to only install permeable concrete in the parking strips. In order to install permeable concrete, utility relocations are required.

Budget: As a result of the utility costs, the total project budget increased from $10.1M to $12.1M.

CWWSIPFCDB06 – Yosemite Green Infrastructure

Project Description

Reach 1 - Yosemite Marsh:

- Overflow structure to direct Yosemite Marsh overflow into creek channel (with CSS backup).
- Earthen channel constructed within McLaren Park flow from the Yosemite Marsh to the streetscape right-of-way (ROW) approximately mid-block on Oxford Street between Bacon & Wayland St. & then south along Oxford St. & east along Wayland St.
- Small tributary channel extending southwest from intersection of Oxford & Wayland St.
- Periodic drop structures downstream of the confluence along Wayland St.
- Proposed path running east along Wayland between creek channel and street.
- Conversion of 500 block of Oxford St. & 1400 block of Wayland St. to one-way streets.
- Relocation of a low-pressure fire hydrant from McLaren Park at the corner of Oxford & Wayland St. to the ROW directly across the street.
- Underground creek channel from southwest corner of Wayland and Cambridge St. to McLaren Park east of Yale St.

Reach 2 - Louis Sutter Softball Fields:

- Bioretention facility located near the west side of the soccer field.
- Earthen channel that meanders across the southern edge of the soccer field.
- Subsurface storage tanks located west of soccer field and northwest of ball field.
- Regraded slopes north and east of the ball field.
- Soccer field will be reset with drainage improvements and replaced irrigation system.
- New overflow structure (to creek channel with CSS backup) constructed on the northern side of McNab Lake.
- Earthen creek channel conveying flows eastward in the ROW north of the ball field to University St., then south down toward Woolsey St.
- Series of channel drop structures on University St.
- Culvert under University St.
- Removal of trees in poor health.
- Wooden deck northwest of the ball field on Wayland.
- Bioretention/ponding area northwest of the intersection of University and Woolsey.

- Provide plant establishment and/or monitoring for the following GI Projects: Islais Creek, Sunset, North Shore, Lake Merced, Sunnydale, Richmond, Channel, and Yosemite.

Revisions

Scope Change: Addition	Schedule Change: +27 months	Budget Change: +$3.2M

Scope: Since 2016 the scope has changed as follows:

- Consolidate plant establishment and monitoring from all EIPs into the Yosemite project.

The scope of work has been increased to include the remaining plant establishment and/or monitoring work from Sunset, North Shore, Lake Merced, Sunnydale, Richmond, Channel and Isais Creek Green Infrastructure projects. By consolidating this work into the Yosemite project, the other seven projects can be completed and this work can be done more effectively.

Schedule/Budget: Due to the increase in scope, the project completion is extended from December 2021 to April 2024, and the total project cost increased from $12.8M to $16.0M.

Watershed Stormwater Management

CWWSIPFCGI01 – Watershed Stormwater Management (Planning Only)

Project Description

Moving Concepts to Projects

At the end of the UWA, each Watershed Alternative represents a recommended suite of green and grey projects each with a location, a feasible placeholder green or grey technology and associated performance and cost to meet the LOS.

Within each Watershed Alternative, recommended Watershed Projects were divided into prioritized lists of the highest performing project categories such as pipe upsizing, schools, parks and streets. The Watershed Stormwater Management Project will include reprioritizing the project lists in the Watershed Alternative as needed and advance the Watershed Projects alternatives to AAR level and to further develop a subset of projects to a CER as allowed by budget.

Next steps include:

- Incorporating new data and information and modeling the alternatives to confirm the LOS is met.
- Creating a short list of prioritized Grey and Green Projects to project level AAR.
- Pursuing innovative funding and partnership models as a part of project development.
- Advancing a shorter list of AAR phase, to the CER phase.

Incorporating New Data and Information

This Watershed Stormwater Management Project planning effort will conduct ongoing smaller and localized watershed assessments as needed to ensure that the prioritized projects are responsive to changing neighborhood conditions and new data. Issues continuing to evolve include: changes in regulations, ordinances and codes such as the Non-potable Ordinance, drought, reductions in dry weather flow, the development of surface flooding solutions, sea level rise, emerging one water technologies and the formation of new neighborhood plans and districts. Numerous ongoing analytical and design efforts, such as the Flood Resilience projects that are underway, Collection System condition assessment, the Climate Change Adaptation analysis, and Flood Resilience analysis, ongoing planning of former SFRA lands, and the Odors Assessment, should be considered in project finalization. The UWA needs to coordinate and integrate the outcomes of this work with the capital project planning to ensure that prioritization is reflective of the best state of knowledge about the Collection System.

Innovative Funding and Partnerships

Moving these projects towards implementation will need successful partnerships within the SFPUC, other agencies and third parties. These types of collaborative projects can benefit from cost sharing and grant dollars or other innovative funding mechanisms. In addition, the Stormwater Management Incentives Programs have the potential to leverage SSIP funding with private dollars to manage stormwater on private lands. The planning will include detailed review of potential finance tools and discussions with SFPUC Finance and Legal to determine SSIP applicability.

Revisions

Scope Change: None	Schedule Change: +18 months	Budget Change: None

Schedule/Budget: The schedule for project completion has been extended from July 2019 to December 2020 to accommodate ongoing activities related to programmatic strategies for grants and interdepartmental approaches.

CWWSIPFCDB12- Wawona St. and 15th Ave Stormwater Detention Project

Project Description

The purpose of this project is to convert the Arden Wood Natural Area to a flood water detention basin by collecting the upstream surface water and diverting it into the area, using series of pipe and inlet systems on the upstream, and a large pipe/micro-tunnel at the intersection of Wawona and 15th.

Revisions

Scope Change: None	Schedule Change: +16 months	Budget Change: None

Schedule: During the Environmental Phase, it was determined that the Cat Ex, as was originally assumed to be the necessary CEQA document for the project, might have to change as the scope of construction in the Arden Wood ravine needs to expand due to site conditions encountered. In addition to the CEQA impacts, further delays resulted from the need to utilize specialty consultants for the trenchless work on the project. These activities have resulted in project completion being extended from April 2020 to July 2021.

Advanced Rainfall and Operational Decision System

CWWSIPFCRP03 – Operational Decision System Phase 2

Project Description

This project would integrate available data in the collection system (levels, flows, pump status, etc.) with rainfall prediction data (from National Oceanic and Atmospheric Administration). The rainfall prediction data will be coupled with WWE's collection system hydraulic model to project the likely impact of approaching storms and generate specific operational recommendations for managing flows. Phase 2 builds upon Phase 1 (CWWSIPFCRP02) for a citywide installation.

Revisions

Scope Change: Refinement	Schedule Change: None	Budget Change: +$0.9

Scope: Since 2016 the scope has changed as follows:

- Project will use best available rainfall forecasts in lieu of forecasts anticipated from the Advanced Rainfall Prediction project, which has been cancelled.

The original project included integration of the advanced rainfall prediction data provided through the Advanced Rainfall Prediction Part 1 Project (CWWSIPFCRP01). Given the cancellation of that project, the scope will have a reduced emphasis on integrating that specific rainfall prediction product, but the project will integrate best available rainfall forecasts, and the overall project objectives and approach remain unchanged.

Budget: Due to the contribution of savings from other Rainfall Prediction projects, the proposed total project budget is increased from $7.8M to $8.7M. A Directors Reserve was established to fund potential infrastructure modifications identified during project development that would increase the effectiveness and/or performance of the project.

Flood Resilience Projects

CWWSIPFCDB13 – Cayuga Ave Stormwater Detention Project

Project Description

This project will improve the stormwater detention by re-grading the I-280 embankment at the foot of Cayuga to create a low-lying detention field. This project will provide surface detention of combined sewage flow during flooding and includes an overflow relief connection into the College Hill Tunnel as well and a retaining wall to support the roadway.

Revisions

Scope Change: None	Schedule Change: +26 months	Budget Change: None

Schedule: The project team has been coordinating with Caltrans since 2015, as the proposed project will be in the Caltrans ROW under the I-280 overpass at the end of Cayuga Street. In order to approve the project and grant ROW, Caltrans needs to approve a Project Initiation Document (PID). SFPUC and Caltrans have been working on a co-op agreement for the review of the PID and other necessary documents since 2017, and project development has been on hold until the Caltrans review takes place. The lengthy review and approval has resulted in extending project completion from January 2020 to February 2022.

CWWSIPFCDB14 – Folsom Area Stormwater Improvement Project

Project Description

This project will include planning and design to improve stormwater conveyance away from the 17th and Folsom neighborhood to minimize flooding in the Level of Service storm. The project to be developed will be the preferred alternative identified in project CWWSIPFCDB11.

Revisions

Scope Change: None	Schedule Change: +7 months	Budget Change: +$2.1M

Schedule/Budget: The project presented hydraulic complexities that led to 3 distinct approaches to meet the Level of Service. Because the concepts were so dissimilar, additional alternative analyses were needed to fully evaluate their relative impacts before a preferred alternative could be designated. This has extended overall completion of SSIP Phase 1 portion of this project from November 2019 to June 2020.

This project has received $2.1M from the contribution of savings from other Flood Resilience projects that were completed under budget and closed. These savings have been added to the Director's Reserve to offset potential budget adjustments that may arise due to the uncertainty of future right-of-way negotiations. This has resulted in the total project cost increasing from $36.3M to $38.4M.

CWWSIPFCDB15 – 17th and Folsom Permanent Barriers

Project Description

These modular barriers are custom designed by an equipment vendor. The sidewalk would be re-graded to be flatter, and would be outfitted with recessed and covered receptacles for poles. The equipment consists of poles that fit into the receptacles and interlocking aluminum logs that would be slid down between the poles. The whole system would be custom built based on the site-specific pole intervals, barrier height, and other characteristics specified by SFPUC.

Revisions

Scope Change: None	Schedule Change: +16 months	Budget Change: No

Schedule: In spring 2017, local property owners expressed reservations about the project, stating a preference for property-specific modifications. As a result, this project has been deferred by 16 months to provide the opportunity for these local property owners to explore, develop, and install projects on their respective properties. This has resulted in project completion being extended from April 2018 to July 2019.

LAND REUSE PROJECTS

CWWSIPPRPL91 – Land Reuse of 1800 Jerrold Avenue

Project Description

A new location to move the existing Central Shops to was identified, and planning is underway to complete design and construction. Upon approval of the Jurisdictional Transfer, the relocation will involve the purchase of two properties, lease of a third property, and construction agreements to complete improvements. This is a complex relocation that requires significant coordination and cooperation between multiple City departments.

Subsequent to the relocation of the repair shop by the OCA, the 1800 Jerrold Avenue property would be acquired by SFPUC and the site would be cleared and remediated for other potential uses to support the SEP and SSIP. Following completion of geotechnical and environmental hazardous materials investigation, a demolition and remediation plan will be developed. The site may be considered for the new biosolids facilities.

Project costs are based on an MOU for Jurisdictional Transfers negotiated at $73.7M. The Design and Construction component of the MOU is estimated at $55M (basis is developer's budget). During design, GMP will be negotiated to confirm $55M budget. GMP is scheduled to be approved by December 31, 2016. $6.3M is budgeted for participation by other City Departments, SFPUC PM and Arts contribution. Project costs also include a contingency of $10M.

Revisions

Scope Change: None	Schedule Change: None	Budget Change: None

CWWSIPPRPL92 – Land Reuse of 1801 Jerrold Avenue

Project Description

Reuse of the site requires a negotiated transfer of the site and subsequent demolition of the abandoned asphalt plant facilities and site remediation. Following the completion of geotechnical and environmental hazardous materials investigations, a demolition and remediation plan will be developed. Demolition will include the removal of all of the structures currently occupying the space including the existing asphalt plant equipment, storage silos and outbuildings. The remediation plan will be dependent on findings from the site investigation.

Presently, the relocation of SFPW's Street Repair from the Asphalt Plant site to a property adjacent to the SFPW Yard is pending the relocation of SFPUC Sewer Operations (Sewer Ops) from 160 Napoleon (on a portion of Lot 31). Planning is currently underway to relocate Sewer

Ops to a new location at Griffith Yard, and then to move the Asphalt Plant occupants to 160 Napoleon.

Project costs are estimated at $8.2M, consisting of $3.7M for demolition, $2.5M for Quint Street, and a contingency of $2M. Planning and CEQA will be completed in 2016. This project will be completed by June 30, 2017.

Revisions

Scope Change: Refinement	Schedule Change: +9 months	Budget Change: None

Scope: Since 2016 the scope has changed as follows:

- Vacate Sewer Operations from 160 Napoleon to Griffith Yard, instead of 1550 Evans.

The original scope anticipated relocation of Public Works Street Repair operations to 160 Napoleon after vacating SFPUC Sewer Operations from 160 Napoleon to 1550 Evans. 1550 Evans was subsequently repurposed for the Southeast Community Facility. The scope change for 1550 Evans required a new relocation plan to move Sewer Operations and vacate 160 Napoleon for occupants at 1801 Jerrold. SFPUC is currently in the process of relocating Sewer Operations to Griffith Yard.

Schedule: Due to the project scope changes, project completion has been extended from December 2017 to August 2018.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, May 8, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ ่าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of April 24, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Schedule of Rates and Charges for Non-Municipal, Residential, Commercial Electric Service
   e) Water Supply Agreement Update
   f) Water System Improvement Program Status of Construction Change Orders
   g) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Water Enterprise Capital Improvement Program Quarterly Report (How)
   c) Water System Improvement Program Quarterly Update and Local and Regional Reports (How)
   d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve execution of an **attestation of veracity for SFPUC's CleanPowerSF program 2017 Power Source Disclosure (PSD) Report** and submission of that Report to the California Energy Commission. CleanPowerSF is required by State law to annually disclose the sources of electricity generation used to serve its end-use electric customers through the preparation of the PSD Report and Power Content Label. During the 2017 calendar year, CleanPowerSF successfully delivered 100% of its electric energy supply from greenhouse gas free sources and a substantial portion from renewable energy sources under California's Renewable Portfolio Standard. For Green customers, the percentage of supply attributable to renewable energy sources was 43%; for SuperGreen customers, renewable energy resources comprised 100% of the supply portfolio. (Hale)

18-0074

b) Approve execution of an **attestation of veracity for the San Francisco Public Utilities Commission Hetch Hetchy Power's 2017 Power Source Disclosure (PSD) Report** and submission of that Report to the California Energy Commission. The SFPUC is required by State law to annually disclose the sources of electricity generation used to serve the SFPUC's end-use electric customers through the preparation of the PSD Report and Power Content Label. The 2017 PSD Report discloses that the electricity sources used to serve Hetch Hetchy Power's end-use electric customers were 100% greenhouse-gas free hydroelectric generation. This PSD report covers the SFPUC's operations as a publicly-owned electric utility, Hetch Hetchy Power. (Hale)

180075

c) Accept work performed by Steve P. Rados Inc., for **Contract No. WD-2629**, Seismic Upgrade of Bay Division Pipeline 3&4 at the Hayward Fault; approve Modification No. 35 (Final), decreasing the contract by amount by $94,366 for a total contract amount of $37,057,634, and increasing the contract duration by 766 consecutive calendar days (approximately two years, one and a half months) for a total contract duration of 1,698 consecutive calendar days (approximately four years, eight months); ratify correction of the initial award duration from 828 consecutive calendar days (approximately two years, three months) to 858 consecutive calendar days (approximately two years, four months); and authorize final payment to the contractor. (How)

180076

d) Approve an increase to the existing construction contract cost contingency in the amount of $8,230,477 and an increase to the existing contract duration contingency in the amount of 358 consecutive calendar days (approximately one year), for **Contract No. WD-2668**, Regional Groundwater Storage and Recovery; authorize the General Manager or his designee to approve future contract modifications for a total revised amount up to $59,578,678, and a total revised contract duration up to 1,545 consecutive calendar days (approximately four years, three months); and ratify correction of the initial award duration from 917 consecutive calendar days (approximately two years, six months) to 1,007 consecutive calendar days (approximately two years, 10 months). (How)

180077

REGULAR SESSION

9. Approve the selection of Arcadis U.S., Inc.; award **Agreement No. PRO.0068**, Biosolids Digester Facilities Construction Management Staff Augmentation Services to provide fully qualified and experienced construction management
180078 personnel to assist the San Francisco Public Utilities Commission in managing the construction of the Biosolids Digester Facilities Project; and authorize the General Manager to negotiate and execute a professional services agreement with Arcadis for an amount not-to-exceed $42,000,000, with a duration of seven years, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (How)

10. Approve the terms and conditions and authorize the General Manager to seek approval by the Board of Supervisors and Mayor to execute a **60-year lease with MP Shoreline Associates Limited Partnership and MP Shorebreeze Associates, L.P**. as co-tenants to use approximately 1.96 acres of San
180079 Francisco Public Utilities Commission Parcel No. 201-A in Mountain View, California for parking, landscaping, and temporary construction staging serving the adjacent affordable housing complex, Shorebreeze Apartments, at an initial annual rent of $100,874, with rent increases every five years. (Carlin)

11. **Public Hearing: Consider and Adopt the proposed Wholesale Revenue Requirement and rate schedule for FYE 2019, to be applied to meter readings on or after July 1, 2018**. This rate schedule reflects the terms of the 2009 Water Supply Agreement between the City and County of San Francisco and the Wholesale Customers, which was approved on April 28, 2009 by
180080 Commission Resolution No. 09-0069. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

12. **Public Hearing: Consider and adopt a new schedule of rates for Hetch Hetchy Power Enterprise electric utility service for General Use rates that apply to certain municipal entities supported primarily by the City's General Fund, and certain non-City governmental agencies** such as the San
180081 Francisco Unified School District, and certain non-profit entities such as the California Academy of Sciences, that are closely related to the City through City governance, financial support, or other legacy relationship for FY 2018-19 and FY 2019-20, **to be applied to meter readings on or after July 1, 2018**. The proposed action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

13. **Public Hearing: Consider and approve revisions to existing fees, elimination of certain fees, and adoption of new fees for: (1) billing and account services; (2) water service connections; (3) land use; (4)**
180082 **regulatory compliance; and (5) laboratory testing related to the San Francisco Public Utilities Commission provision of water and wastewater service**. If approved, the **proposed fees will become effective July 1, 2018**. The proposed action constitutes the Approval Action for the purposes of

California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

14. **Public Hearing: Proposal to: (1) reduce the Returned Check and Pending Shutoff Notice Fees; and (2) eliminate the New Account and Service Turn-On Fees charged for customers of the SFPUC Power Enterprise**. The proposed action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Sandler)

180083

15. Public comment on matters to be addressed during Closed Session

16. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following item(s):

17. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(2) and (e)(3), and San Francisco Administrative Code Section 67.10 (d)(2) (Rothschild)

Pending Litigation
Charleen Maghzi v. City and County of San Francisco
Government Code Claim No.: 16-02226
Date Filed: February 17, 2016
Proposed partial settlement of claim with City to pay $510,698 for home foundation repair work; and claimant to retain the services of an engineering firm with at least five years of subgrade foundation repair experience

180084

18. Announcement following Closed Session

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

20. Other New Business (discussion only)

21. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, May 8, 2018
(Approved May 22, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   Vice President (VP) Courtney called the meeting to order at 1:32 PM.

   VP Courtney announced that former SFPUC legal counsel Noreen Ambrose has been appointed to the San Francisco Ethics Commission.

   He congratulated SFGTV for their sixth consecutive nomination for at Northern California Emmy.

   He stated the SFPUC's Golden Pride Awards will be taking place soon.

2. Roll Call
   Present: Courtney, Caen, and Vietor
   Excused: Kwon and Moran

3. Approval of the Minutes of April 24, 2018
   On Motion to approve the Minutes of April 24, 2018:
   Ayes: Courtney, Caen, and Vietor

   No public comment.

4. General Public Comment
   - *Francisco DaCosta noted his absence from the meetings and stated that the Commission needs to pay attention to those who come to speak. He discussed the Phelps Plant upgrade, mitigation measures, and the Sewer System Improvement Program (SSIP). He questioned recent staff retirements.*
   - *Renee Anderson stated she is shifting her career to the water industry and requested any assistance that can be provided.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Schedule of Rates and Charges for Non-Municipal, Residential, Commercial Electric Service
   e) Water Supply Agreement (WSA) Update
      The Commission Secretary stated that the WSA Update was modified (item 5 top of page 2, and item 2 on the bottom of page 2), with copies provided to the Commission and made available to the public.
   f) Water System Improvement Program Status of Construction Change Orders
   g) Water Supply Conditions Update

      No public comment.

6. Other Commission Business
None.

7. Report of the General Manager (GM)
   a) CleanPowerSF Update
   b) Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment: Serving 81,000 accounts; 3.2% opt-out rate; 4.2% SuperGreen upgrade rate; 2017 Power Source Disclosure Reports are action items on the Consent Calendar; Enrollment notices for July enrollment have been sent, with the expectation that enrollment will increase to 105,000, with the addition of mostly commercial accounts; and (2) Master Agreements and Confirmations that bill the power supply portfolio have been signed by the GM. AGM Hale thanked staff for their work and introduced Mike Hyams, CleanPowerSF Director, who provided a program update.

   Director Hyams discussed: (1) CleanPowerSF portfolio (before recent contracting work), which showed annual projected energy demand and contracting supply over the next 12 years; (2) CleanPowerSF portfolio (after recent contracting work), which showed additional energy contracted; and (3) Projected 2018 power content (48% renewable (includes Green and SuperGreen) and 81% GHG-free).

   Director Hyams responded to questions from VP Courtney regarding Tehachapi jobs data or requirements; and to a question from Commissioner Vietor regarding the projected 2018 Power Content purchases. Brief discussion ensued. Mr. Hyams responded to a question from Commissioner Caen regarding how far out contracting will go.

   Director Hyams continued his presentation with a review of the program's five-year financial projection. He anticipates a 10% operating margin projected for the next two years, which includes a 5% contingency in power supply line. He stated the reserve target is expected to be met in 2023.

   Mr. Hyams responded to a concern of Commissioner Caen regarding the jump in SuperGreen from $1.7M to $4.8M (FYE 19 to FYE 20).

   VP Courtney thanked AGM Hale for recognizing her team and their work.

   No public comment.

   c) Water Enterprise Capital Improvement Program (CIP) Quarterly Report
   Dan Wade, Director, Water Capital Projects and Programs, provided the Water Enterprise CIP quarterly report: Sunol Valley Water Treatment Plant; Tesla Treatment Plant; and local water projects, highlighting the Van Ness Improvement Project, Irving Street, Sunol long-term improvements, San

Francisco Groundwater Supply, Automated Water Meter Program, and Southern Skyline Boulevard Ridge Trail Extension.

In response to a question from Commissioner Caen, Director Wade stated he would provide information on the status of the Masonic Street project.

No public comment.

d) Water System Improvement Program (WSIP) Quarterly Update and Local and Regional Reports
Director Wade provided the WSIP quarterly update: (1) Program Status: 86 projects totaling $4.8B; 96% complete with $4,342M expended and $445M remaining; (2) Calaveras Dam Replacement: Director Wade responded to a question from Commissioner Caen regarding the location of the fossils; (3) Fish Passage at Alameda Creek Diversion; (4) Regional Groundwater Storage and Recovery; (5) Bioregional Habitat Restoration; and (6) Review of Water System Improvement Program close-out projects.

No public comment.

e) Report on Recent SFPUC Activities, Events and Announcements
None.

The Commission Secretary read the Consent Calendar summary.

8. *Consent Calendar:*

a) Approve execution of an attestation of veracity for SFPUC's CleanPowerSF program 2017 Power Source Disclosure (PSD) Report and submission of that Report to the California Energy Commission. CleanPowerSF is required by State law to annually disclose the sources of electricity generation used to serve its end-use electric customers through the preparation of the PSD Report and Power Content Label. During the 2017 calendar year, CleanPowerSF successfully delivered 100% of its electric energy supply from greenhouse gas free sources and a substantial portion from renewable energy sources under California's Renewable Portfolio Standard. For Green customers, the percentage of supply attributable to renewable energy sources was 43%; for SuperGreen customers, renewable energy resources comprised 100% of the supply portfolio. (Resolution 18-0074)

b) Approve execution of an attestation of veracity for the SFPUC's Hetch Hetchy Power's 2017 Power Source Disclosure (PSD) Report and submission of that Report to the California Energy Commission. The SFPUC is required by State law to annually disclose the sources of electricity generation used to serve the SFPUC's end-use electric customers through the preparation of the PSD Report and Power Content Label. The 2017 PSD Report discloses that the electricity sources used to serve Hetch Hetchy Power's end-use electric customers were 100% greenhouse-gas

free hydroelectric generation. This PSD report covers the SFPUC's operations as a publicly-owned electric utility, Hetch Hetchy Power. (Resolution 18-0075)

c) work performed by Steve P. Rados Inc., for Contract No. WD-2629, Seismic Upgrade of Bay Division Pipeline 3&4 at the Hayward Fault; approve Modification No. 35 (Final), decreasing the contract by amount by $94,366 for a total contract amount of $37,057,634, and increasing the contract duration by 766 consecutive calendar days for a total contract duration of 1,698 consecutive calendar days; ratify correction of the initial award duration from 828 consecutive calendar days to 858 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0076)

d) Approve an increase to the existing construction contract cost contingency in the amount of $8,230,477 and an increase to the existing contract duration contingency in the amount of 358 consecutive calendar days, for Contract No. WD-2668, Regional Groundwater Storage and Recovery; authorize the General Manager or his designee to approve future contract modifications for a total revised amount up to $59,578,678, and a total revised contract duration up to 1,545 consecutive calendar days; and ratify correction of the initial award duration from 917 consecutive calendar days to 1,007 consecutive calendar days. (Resolution 18-0077)

No public comment.

On Motion to approve the Consent Calendar (8a through 8d):
Ayes: Courtney, Caen, and Vietor

9. Approve the selection of Arcadis U.S., Inc.; award Agreement No. PRO.0068, Biosolids Digester Facilities Construction Management Staff Augmentation Services to provide fully qualified and experienced construction management personnel to assist the SFPUC in managing the construction of the Biosolids Digester Facilities Project; and authorize the General Manager to negotiate and execute a professional services agreement with Arcadis for an amount not-to-exceed $42,000,000, with a duration of seven years, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0078)
Carolyn Chiu, Biosolids Digesters Facility Project Manager, introduced the item and requested Commission approval. Ms. Chiu and GM Kelly responded to a question from Commissioner Caen as to how the not-to-exceed amount of $42M was derived, and a question regarding there being a single bidder.

No public comment.

On Motion to approve Item 9:
Ayes: Courtney, Caen, and Vietor

10. Approve the terms and conditions and authorize the General Manager to seek approval by the Board of Supervisors and Mayor to execute a 60-year lease with MP Shoreline Associates Limited Partnership and MP Shorebreeze Associates, L.P. as co-tenants to use approximately 1.96 acres of San Francisco Public Utilities Commission Parcel No. 201-A in Mountain View, California for parking, landscaping, and temporary construction staging serving the adjacent affordable housing complex, Shorebreeze Apartments, at an initial annual rent of $100,874, with rent increases every five years. (Resolution 18-0079)
Michael Carlin, Deputy General Manager introduced the item and requested approval.

No public comment.

On Motion to approve Item 10:
Ayes: Courtney, Caen, and Vietor

11. Public Hearing: Consider and Adopt the proposed Wholesale Revenue Requirement and rate schedule for FYE 2019, to be applied to meter readings on or after July 1, 2018. This rate schedule reflects the terms of the 2009 Water Supply Agreement between the City and County of San Francisco and the Wholesale Customers, which was approved on April 28, 2009 by Commission Resolution No. 09-0069. This action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0080)
Charles Perl, Deputy Chief Financial Officer (CFO) stated there was no change requested to Wholesale water rates for FY19, and that a 1 cent increase is requested to the discount for those who take raw water (untreated water).

No public comment.

On Motion to approve Item 11:
Ayes: Courtney, Caen, and Vietor

12. Public Hearing: Consider and adopt a new schedule of rates for Hetch Hetchy Power Enterprise electric utility service for General Use rates that apply to certain municipal entities supported primarily by the City's General Fund, and certain non-City governmental agencies such as the San Francisco Unified School District, and certain non-profit entities such as the California Academy of Sciences, that are closely related to the City through City governance, financial support, or other legacy relationship for FY 2018-19 and FY 2019-20, to be applied to meter readings on or after July 1, 2018. The proposed action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0081)
Deputy CFO Perl began his presentation with a description of the different SFPUC electrical customer groups: Retail Electric; General Use (GUSE); Enterprise; Irrigation Districts; Wholesale Market; and CleanPowerSF.

He discussed the history of general use municipal electric rates. He noted the 2016 power rate study was completed; two-year municipal rates approved (half-cent rate increases each year); expanded retail rates in advance of redevelopment; and CleanPowerSF rates implemented.

He reviewed current GUSE rates (six different rates based on the department); and reviewed the proposed single GUSE rate for FYE 2019 and FYE 2020 (consolidate into single rate including half-cent per kWh increase).

Mr. Perl responded to a question from Commissioner Vietor regarding which departments will get the largest rate increases, noting some departments will see an increase and some a decrease. He provided clarification on the duration of the rate increase, stating a cost of service study is conducted every five years. He indicated the increase is still below the cost-of-service.

AGM Hale responded to a question from Commissioner Caen as to who is the power provider to city departments, including those who are housed in city-owned properties and those who are housed in leased space.

AGM Hale responded negative to a question from Commissioner Vietor as to whether CleanPowerSF excess cost-of-services revenues can be used to cover the cost-of-service to Municipal customers.

No public comment.

On Motion to approve Item 12:
Ayes: Courtney, Caen, and Vietor

At the request of VP Courtney, the Commission Secretary read items 13 and 14 together. VP Courtney indicated there would be a single presentation for both items, followed by separate public comment and discussion for each item.

13. Public Hearing: Consider and approve revisions to existing fees, elimination of certain fees, and adoption of new fees for: (1) billing and account services; (2) water service connections; (3) land use; (4) regulatory compliance; and (5) laboratory testing related to the San Francisco Public Utilities Commission provision of water and wastewater service. If approved, the proposed fees will become effective July 1, 2018. The proposed action constitutes the Approval Action for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0082)

14. Public Hearing: Proposal to: (1) reduce the Returned Check and Pending Shutoff Notice Fees; and (2) eliminate the New Account and Service Turn-On Fees charged for customers of the SFPUC Power Enterprise. The proposed action constitutes the Approval Action for the purposes of California

Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0083)

Deputy CFO Perl provided a single presentation for items 13 and 14. He noted the rates were presented to the Rate Fairness Board in March. (1) Background and work overview; (2) Existing fees and charges (Billing and Account Service Fees, Water Service Connection Fees, Land Use and Facility Rental Fees, and Laboratory Testing Fees); (3) Proposed new Water Fees: (Backflow Tag Fee; and Cross-Connection Control Test Fee); (4) Proposed new Wastewater Fees: (Stormwater Control Plan Review Fee; Pretreatment Permits Application Fee; and Pretreatment Facility Re-Inspection Fee); and (5) Eliminated and reduced fees for affordability: Eliminate - New account charge, Shut-off fee, Water turn-on fee, and Power turn-on fee; and (6) Recommended to reduce - Return check charge (from $105 to $50); and 48-hour notice (reduce from $55 to $50).

Deputy CFO Perl thanked the finance staff for their work on the rates items.

Mr. Perl responded to a question from Commissioner Vietor regarding the Stormwater and Cross-connection Fees and if there are any unintended consequences resulting from the fees.

Public Comment Item 13

- *Laura Tam, SPUR, expressed support for the item and noted the letter of support that was provided to the Commission. She indicated support for fee equity. She discussed the 2018 rate study and stormwater fees and the SSIP and asked that SSIP planning documents be published.*

Kathy How, AGM Infrastructure, responded to a question from Commissioner Vietor as to when SSIP planning document will be made available.
VP Courtney discussed the need for fee equity.

On Motion to approve Item 13:
Ayes: Courtney, Caen, and Vietor

No public comment on item 14.

On Motion to approve Item 14:
Ayes: Courtney, Caen, and Vietor

15. Public comment on matters to be addressed during Closed Session
None.

16. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert:
Ayes: Courtney, Caen, and Vietor

No public comment.

The Commission entered Closed Session at 3:03 PM.

17. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(2) and (e)(3), and San Francisco Administrative Code Section 67.10 (d)(2)
Pending Litigation
Charleen Maghzi v. City and County of San Francisco
Government Code Claim No.: 16-02226
Date Filed: February 17, 2016
Proposed partial settlement of claim with City to pay $510,698 for home foundation repair work; and claimant to retain the services of an engineering firm with at least five years of subgrade foundation repair experience
(Resolution 18-0084)

The Commission exited Closed Session at 3:13 PM.

18. Announcement following Closed Session
VP Courtney announced that a settlement was reached on item 17.

19. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

No public comment.

On Motion not to disclose:
Ayes: Courtney, Caen, and Vietor

20. Other New Business
None.

21. Adjournment
VP Courtney adjourned the meeting at 3:13 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0074**

WHEREAS, State law (Public Utilities Code Sections 398.4 and 398.5) requires "retail suppliers of electricity products" to disclose to their customers annually the electricity sources for their sales to those customers; and

WHEREAS, CleanPowerSF is required to report this information together with supporting documentation to the California Energy Commission (CEC) in the form of a Power Source Disclosure (PSD) Report; and

WHEREAS, The PSD Report and annual Green-e Energy audit of power sources show that for calendar year 2017, CleanPowerSF met its Green customers' needs with electricity sources that were 43% eligible renewable energy resources under California's Renewable Portfolio Standard and 57% hydroelectric generation. CleanPowerSF met its SuperGreen customers' needs with electricity sources that were 100% eligible renewable energy resources under California's Renewable Portfolio Standard; and

WHEREAS, CleanPowerSF staff plans to submit the PSD Report for 2017, in verified form, to the CEC on or before June 1, 2018; and

WHEREAS, SFPUC staff developed the PSD Report consistent with the CEC's regulations, performing a detailed review of all power purchases completed for the 2017 calendar year; including an inventory of all renewable energy transfers to CleanPowerSF's WREGIS account, transaction records, and an audit for CleanPowerSF's voluntary SuperGreen, 100% renewable energy program; and

WHEREAS, CEC regulations allow the Commission to approve submission of an attestation of veracity in lieu of having the report independently verified; and

WHEREAS, The designee of the Assistant General Manager for Power, has signed an attestation of the veracity of the PSD Report, now therefore; be it

RESOLVED, That the Commission approves the submission of the attached attestations of veracity for the Green and SuperGreen Power Source Disclosure Reports for Calendar Year 2017 attached to this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glory Road

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017

GENERAL INSTRUCTIONS

Company Name
CleanPowerSF - Green

Fill out the schedules that apply to your company's filing requirements. Please print, sign the attestation, scan and e-mail or mail the attestation to the address shown below.

California Energy Commission
1516 9th St. MS-45
Sacramento, CA 95814
e-mail: PSDProgram@energy.ca.gov

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information you submit to be held in confidence, it will be necessary to submit an application for confidentiality.

If you have questions, contact Camille Remy Obad at (916) 654-3940 or camille.remy-obad@energy.ca.gov.

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure Program

For the Year Ending December 31, 2017
SCHEDULE 1: RETAIL SALES
Applicable to: Load Serving Entities

INSTRUCTIONS: Enter information about power procurements supporting all electricity products for which your company is filing the Annual Report. If you need additional rows, add them from the INSERT menu. Please list all purchases (Specified and Unspecified purchases) as line items under the Facility Name heading. If a procurement was for unbundled RECs and include the term "REC Only" in parentheses after the facility name in the Facility Name column, and categorize the power as the fuel type of the generating facility from which the unbundled REC was derived. If procured power was from a transaction that expressly transferred energy only and not the RECs associated with that energy, identify the power as "Unspecified Power" in the Fuel Type column. If the power was purchased from a power pool or wholesaler that will be filing an Annual Report with the Energy Commission (schedules 3 and 4), identify the name of the pool / wholesaler under "Facility Name.

ALL PROCUREMENTS (Specified and Unspecified)

Facility Name	Unit No.	Fuel Type	Location (State or Province)	WREGIS GU ID	EIA ID	FERC QF ID	Gross MWh Procured	MWh Resold or Self-Consumed	Net MWh Procured
Shiloh I Wind Project - Shiloh I Wind Project LLC		Wind	CA	W231			43982		43982
Altwind 1 - Altwind 1		Wind	CA	W516			6641		6641
Altwind 2 - Altwind 2		Wind	CA	W514			9964		9964
Altwind 3 - Altwind 3		Wind	CA	W749			1108		1108
Cameron Ridge, LLC (III) - Cameron Ridge LLC (III)		Wind	CA	W407			7390		7390
Golden Hills A - Golden Hills A		Wind	CA	W4800			46722		46722
Oak Creek Wind Power, LLC - Oak Creek Wind Power, LLC		Wind	CA	W509			21811		21811
Ridgetop Energy, LLC - Ridgetop Energy, LLC (I)		Wind	CA	W406			8399		8399
Rosamond I - West Solar - Solar Star California, XLI, LLC		Solar	CA	W5216			15000		15000
San Gorgonio Altwind - San Gorgonio Altwind		Wind	CA	W4960			3351		3351
San Gorgonio East - San Gorgonio East		Wind	CA	W4764			11404		11404
Terra-Gen Mojave Wind Farms, LLC - Morwind - Terra-Gen Mojave Wind Farms, LLC - Morwind		Wind	CA	W498			31893		31893
Victory Garden # I (Tehachapi) - Wind Stream Operations, LLC (VG # I)		Wind	CA	W499			4557		4557
Victory Garden# 2 (Tehachapi) - Wind Stream Operations, LLC (VG# 2)		Wind	CA	W500			4971		4971
Victory Garden# 3 (Tehachapi) - Wind Stream Operations, LLC (VG# 3)		Wind	CA	W501			2651		2651
Rocky Reach Hydro Project		Hydro	WA	W1320	3883		85941		85941
Holm Unit 1	HPH1	Hydro	CA		380		205479		205479

Total Net Purchases	511,264
Total Retail Sales	511,264

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017
SCHEDULE 2: ANNUAL POWER CONTENT LABEL CALCULATION
Applicable to: Load Serving Entities

INSTRUCTIONS: Total specific purchases (by fuel type) and enter these numbers in the first column. Null power purchases should be included with Unspecified Power. REC only purchases should be included as part of the fuel type they represent. The remainder of this schedule will be automatically populated with net generic purchase and total retail sales information from Schedule 1. Any difference between total net purchases and total retail sales will be applied pro-rata to each non-renewable fuel type. The pro-rata calculations will then be divided by total retail sales to calculate fuel mix percentages.

	Net Purchases (MWh)	Percent of Total Retail Sales (MWh)
Specific Purchases		
Renewable	219,844	43%
Biomass & Biowaste	-	0%
Geothermal	-	0%
Eligible hydroelectric	-	0%
Solar	15,000	3%
Wind	204,844	40%
Coal	-	0%
Large hydroelectric	291,420	57%
Natural Gas	-	0%
Nuclear	-	0%
Other	-	0%
Total Specific Purchases	**511,264**	**100%**
Unspecified Power (MWh)	-	**0%**
Total	**511,264**	**100%**
Total Retail Sales (MWh)	**511,264**	

COMMENTS:

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017

ATTESTATION FORM

Applicable to: All participants in the Power Source Disclosure Program

I, Michael Hyams, Director, CleanPowerSF, declare under penalty of perjury, that the statements contained in PSDP Schedule 1 and PSDP Schedule 2 are true and correct and that I, as an authorized agent of CleanPowerSF, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specific purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail consumers.

Signed: Michael Hyams

Dated: 4/13/2018

Executed at: San Francisco, CA

CONTACT INFORMATION	
Name	Michael Hyams
Title	Director
Company Name	CleanPowerSF
Address	525 Golden Gate Avenue, 7th Floor
City, State, Zip	San Francisco, CA 94103
Phone	(415) 554-1590
Fax	(415) 554-3280
E-mail	Mhyams@sfwater.org

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017

GENERAL INSTRUCTIONS

Company Name
CleanPowerSF - SuperGreen

Fill out the schedules that apply to your company's filing requirements. Please print, sign the attestation, scan and e-mail or mail the attestation to the address shown below.

California Energy Commission
1516 9th St. MS-45
Sacramento, CA 95814
e-mail: PSDProgram@energy.ca.gov

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information you submit to be held in confidence, it will be necessary to submit an application for confidentiality.

If you have questions, contact Camille Remy Obad at (916) 654-3940 or camille.remy-obad@energy.ca.gov.

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure Program

For the Year Ending December 31, 2017
SCHEDULE 1: RETAIL SALES
Applicable to: Load Serving Entities

INSTRUCTIONS: Enter information about power procurements supporting all electricity products for which your company is filing the Annual Report. If you need additional rows, add them from the INSERT menu. Please list all purchases (Specified and Unspecified purchases) as line items under the Facility Name heading. If a procurement was for unbundled RECs and include the term "REC Only" in parentheses after the facility name in the Facility Name column, and categorize the power as the fuel type of the generating facility from which the unbundled REC was derived. If procured power was from a transaction that expressly transferred energy only and not the RECs associated with that energy, identify the power as "Unspecified Power" in the Fuel Type column. If the power was purchased from a power pool or wholesaler that will be filing an Annual Report with the Energy Commission (schedules 3 and 4), identify the name of the pool / wholesaler under "Facility Name.

ALL PROCUREMENTS (Specified and Unspecified)

Facility Name	Unit No.	Fuel Type	Location (State or Province)	WREGIS GU ID	EIA ID	FERC QF ID	Gross MWh Procured	MWh Resold or Self-Consumed	Net MWh Procured
Shiloh I Wind Project - Shiloh I Wind Project LLC		Wind	CA	W231			24111		24,111
Sunset Reservoir - North Basin - RE SFCity1, LP		Solar	CA	W1681			201		201

Total Net Purchases	24,312
Total Retail Sales	24,312

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017
SCHEDULE 2: ANNUAL POWER CONTENT LABEL CALCULATION
Applicable to: Load Serving Entities

INSTRUCTIONS: Total specific purchases (by fuel type) and enter these numbers in the first column. Null power purchases should be included with Unspecified Power. REC only purchases should be included as part of the fuel type they represent. The remainder of this schedule will be automatically populated with net generic purchase and total retail sales information from Schedule 1. Any difference between total net purchases and total retail sales will be applied pro-rata to each non-renewable fuel type. The pro-rata calculations will then be divided by total retail sales to calculate fuel mix percentages.

	Net Purchases (MWh)	Percent of Total Retail Sales (MWh)
Specific Purchases		
Renewable	24,312	100%
Biomass & Biowaste	-	0%
Geothermal	-	0%
Eligible hydroelectric	-	0%
Solar	201	1%
Wind	24,111	99%
Coal	-	0%
Large hydroelectric	-	0%
Natural Gas	-	0%
Nuclear	-	0%
Other	-	0%
Total Specific Purchases	**24,312**	**100%**
Unspecified Power (MWh)	**-**	**0%**
Total	**24,312**	**100%**
Total Retail Sales (MWh)	**24,312**	

COMMENTS:

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017
ATTESTATION FORM
Applicable to: All participants in the Power Source Disclosure Program

I, Michael Hyams, Director, CleanPowerSF, declare under penalty of perjury, that the statements contained in PSDP Schedule 1 and PSDP Schedule 2 are true and correct and that I, as an authorized agent of CleanPowerSF, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specific purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail consumers.

Signed: Michael Hyams

Dated: 4/13/2018

Executed at: San Francisco, CA

CONTACT INFORMATION	
Name	Michael Hyams
Title	Director
Company Name	CleanPowerSF
Address	525 Golden Gate Avenue, 7th Floor
City, State, Zip	San Francisco, CA 94103
Phone	(415) 554-1590
Fax	(415) 554-3280
E-mail	Mhyams@sfwater.org

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0075**

WHEREAS, State law (Public Utilities Code Sections 398.4 and 398.5) requires "retail suppliers of electricity products" to disclose to their end use customers annually the electricity sources for their sales to those customers; and

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) is required to report this information together with supporting documentation to the California Energy Commission (CEC) in the form of a Power Source Disclosure (PSD) Report; and

WHEREAS, The PSD Report shows that for calendar year 2017, the SFPUC's Hetch Hetchy Power met its end use customers' needs with electricity sources that were 98.7% hydroelectric generation from the Hetch Hetchy system and 1.3% eligible renewable energy resources under California's Renewable Portfolio Standard; and

WHEREAS, SFPUC staff plans to submit the PSD Report for 2017, in verified form, to the CEC on or before June 1, 2018; and

WHEREAS, SFPUC staff developed the PSD Report consistent with the CEC's regulations using metered generation, use, and sales data used for preparing and verifying the SFPUC's scheduling, billing, and settlement activities, which is the same data used in other public reports and regulatory compliance filings; and

WHEREAS, CEC regulations allow the Commission to approve submission of an attestation of veracity in lieu of having the report independently verified; and

d

WHEREAS, The designee of the Assistant General Manager for Power, has signed an attestation of the veracity of the PSD Report, now therefore; be it

RESOLVED, That the Commission approves the submission of the attached attestation of veracity for the Power Source Disclosure Report for Calendar Year 2017 attached to this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Adams

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017

GENERAL INSTRUCTIONS

Company Name
San Francisco PUC – Hetch Hetchy Power

Fill out the schedules that apply to your company's filing requirements. Please print, sign the attestation, scan and e-mail or mail the attestation to the address shown below.

California Energy Commission
1516 9th St. MS-45
Sacramento, CA 95814
e-mail: PSDProgram@energy.ca.gov

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information you submit to be held in confidence, it will be necessary to submit an application for confidentiality.

If you have questions, contact Camille Remy Obad at (916) 654-3940 or camille.remy-obad@energy.ca.gov.

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017
SCHEDULE 2: ANNUAL POWER CONTENT LABEL CALCULATION
Applicable to: Load Serving Entities

INSTRUCTIONS: Total specific purchases (by fuel type) and enter these numbers in the first column. Null power purchases should be included with Unspecified Power. REC only purchases should be included as part of the fuel type they represent. The remainder of this schedule will be automatically populated with net generic purchase and total retail sales information from Schedule 1. Any difference between total net purchases and total retail sales will be applied pro-rata to each non-renewable fuel type. The pro-rata calculations will then be divided by total retail sales to calculate fuel mix percentages.

	Net Purchases (MWh)	Percent of Total Retail Sales (MWh)
Specific Purchases		
Renewable	12,763	1.3%
Biomass & Biowaste		0.0%
Geothermal		0.0%
Eligible hydroelectric	12,763	1.3%
Solar		0.0%
Wind		0.0%
Coal		0.0%
Large hydroelectric	952,542	98.7%
Natural Gas		0.0%
Nuclear		0.0%
Other		0.0%
Total Specific Purchases	**965,306**	**100%**
Unspecified Power (MWh)	-	**0%**
Total	**965,306**	**100%**
Total Retail Sales (MWh)	**965,306**	

COMMENTS:

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure Program

For the Year Ending December 31, 2017
SCHEDULE 1: RETAIL SALES
Applicable to: Load Serving Entities

INSTRUCTIONS: Enter information about power procurements supporting all electricity products for which your company is filing the Annual Report. If you need additional rows, add them from the INSERT menu. Please list all purchases (Specified and Unspecified purchases) as line items under the Facility Name heading. If a procurement was for unbundled RECs and include the term "REC Only" in parentheses after the facility name in the Facility Name column, and categorize the power as the fuel type of the generating facility from which the unbundled REC was derived. If procured power was from a transaction that expressly transferred energy only and not the RECs associated with that energy, identify the power as "Unspecified Power" in the Fuel Type column. If the power was purchased from a power pool or wholesaler that will be filing an Annual Report with the Energy Commission (schedules 3 and 4), identify the name of the pool / wholesaler under "Facility Name.

Facility Name	Unit No.	Fuel Type	Location (State or Province)	WREGIS GU ID	EIA ID	FERC QF ID	Gross MWh Procured	MWh Resold or Self-Consumed	Net MWh Procured
Moccasin Lowhead		Eligible Hydroelectric	CA	W2688	751		-	-	0
Pier 96 – Recycling Plant		Solar Electric	CA	W2677			-	-	0
Southeast Water Treatment Plant		Solar Electric	CA	W2672			286	286	0
Moscone Convention Centre	A	Solar Electric	CA	W2682			38	38	0
	B	Solar Electric	CA	W2683			25	25	0
	C	Solar Electric	CA	W2684			32	32	0
City Distribution Division		Solar Electric	CA	W2678			87	87	0
NorthPoint Water Treatment Plant		Solar Electric	CA	W2679			83	83	0
Marina Hall Elementary School		Solar Electric	CA	W2685			3	3	0
ChinaTown Public Library		Solar Electric	CA	W2686			1	1	0
San Francisco International Airport	1	Solar Electric	CA	W2673			140	140	0
	2	Solar Electric	CA	W2674				-	0
	3	Solar Electric	CA	W2675				-	0
	4	Solar Electric	CA	W2676				-	0
ChinaTown Public Health		Solar Electric	CA	W2681			29	29	0
MTA Woods Bus Facility		Solar Electric	CA	W2680			141	141	0
MTA Ways and Structure Fac (700 PA)		Solar Electric	CA	W4077			80	80	0
Alvarado Elementary School		Solar Electric	CA	W3475			71	71	0
Davies Symphony Hall		Solar Electric	CA	W4078			223	223	0
SFPUC Headquarters (525 Golden Gate)	1	Solar Electric	CA	W4933			69	69	0
	2	Solar Electric	CA	W4933			142	142	0
Downtown High School		Solar Electric	CA	W4888			70	70	0
North Beach Library		Solar Electric	CA				18	18	0
Thurgood Marshall High School		Solar Electric	CA	W4889			124	124	0
City Hall		Solar Electric	CA	W4932			114	114	0
Cesar Chavez Elementary School		Solar Electric	CA	W4896			69	69	0
Sunset Reservoir North Basin		Solar Electric	CA	W1881			8,544	8,544	0
Southeast Cogen Plant (DG)		Biomass & Biowaste	CA	W2689	57971		2,103	2,103	0
Southeast Cogen Plant (NG)		Biomass & Biowaste	CA	W2689	57971		37	37	0
Moccasin	1	Large Hydroelectric	CA		381		224,921	55,972	168,950
Moccasin	2	Large Hydroelectric	CA		381		99,927	24,867	75,060
Kirkwood [1]	1	Large Hydroelectric	CA	W2827	382		190,044	185,230	4,815
Kirkwood [1]	2	Large Hydroelectric	CA	W2828	382		148,712	143,896	4,815
Kirkwood [1]	3	Large Hydroelectric	CA	W2829	382		185,510	180,695	4,815
Holm	1	Large Hydroelectric	CA		380		474,988	118,201	356,787
Holm	2	Large Hydroelectric	CA		380		449,046	111,745	337,300
WAPA Base [2]		Large Hydroelectric	CA				12,763	12,763	0
Kirkwood (REC) [2]		Eligible Hydroelectric	CA				12,763	0	12,763
									0
									0

Total Net Purchases	965,300
Total Retail Sales	965,300

1. Kirkwood generating units qualify as both "Eligible Hydroelectric" and "Large Hydroelectric" Generating units
2. Used to offset WAPA Base energy used to serve load on Treasure Island.

Version: May 2017

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:
Power Source Disclosure Program
For the Year Ending December 31, 2017

ATTESTATION FORM

Applicable to: All participants in the Power Source Disclosure Program

I, James Hendry, Utility Specialist, declare under penalty of perjury, that the statements contained in Schedules 1 and 2 are true and correct and that I, as an authorized agent of San Francisco Public Utilities Commission -- Hetch Hetchy Power have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specific purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail consumers.

Signed: James Hendry

Dated: April 12, 2018

CONTACT INFORMATION

Name	James Hendry
Title	Regulatory Affairs
Company Name	San Francisco PUC - Hetch Hetchy Power
Address	525 Golden Gate Ave., 7th Floor
City, State, Zip	San Francisco, CA 94102
Phone	(415) 554-1526
Fax	(415) 554-1854
E-mail	jhendry@sfwater.org

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0076**

WHEREAS, Construction has been completed for Water Enterprise, Water System Improvement Program (WSIP) funded Contract No. WD-2629, Seismic Upgrade of Bay Division Pipeline 3 and 4 at the Hayward Fault, by the contractor, Steve P. Rados, Inc.; and

WHEREAS, On June 12, 2012, per Resolution No. 12-0101, this Commission awarded Contract No. WD-2629, Seismic Upgrade of Bay Division Pipeline 3 and 4 at the Hayward Fault, in the amount of $31,320,000, to the lowest, qualified responsible and responsive bidder, Steve P. Rados, Inc.; and

WHEREAS, Commission Resolution No. 12-0101 incorrectly stated the total contract duration as 828 consecutive calendar days, however, the contract specifications and executed contract stated the total duration as 858 consecutive calendar days (828 consecutive calendar days to substantial completion plus 30 additional days to final completion); and

WHEREAS, The construction contract Notice-to-Proceed date was set for September 4, 2012, with an original duration of 858 consecutive calendar days, and the contract work was completed in 1,698 consecutive calendar days on April 28, 2017; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On March 10, 2015, per Resolution No. 15-0067, this Commission approved an increase to the duration contingency of 86 consecutive calendar days for a total duration contingency of 171 consecutive calendar days and allowing for approval of future modifications up to a total duration of 1,029 consecutive calendar days, with no change to the contract amount, and this Commission action was premised on an initial contract duration of 858 days, not 828 days; and

WHEREAS, On December 8, 2015, per Resolution No. 15-0255, this Commission approved an increase to the contract cost contingency in the amount of $2,700,000 and an increase to the duration contingency in the amount of 270 consecutive calendar days, allowing for approval of any future modifications up to a total contract amount of $37,152,000 and a total duration of 1,299 consecutive calendar days; and

WHEREAS, Modification Nos. 1-34 were issued in the amount of $5,832,000, with a time extension of 74 consecutive calendar days, for unforeseen underground site conditions, shutdown acceleration, pipe and sliding support material changes, recoating city furnished ball joints, slip joint dimension and weight changes; Bay Division Pipeline (BDPL) 4 vault shoring modifications, geofoam block realignment, geotechnical investigation support at the Hayward fault zone and additional site restoration, increasing the total contract amount to $37,152,000, for a total contract duration of 932 consecutive calendar days; and

WHEREAS, Modification No. 35 (Final) is requested to decrease the contract amount by $94,366, and increase the contract duration by 766 consecutive calendar days, to make final quantity adjustments to bid items and to extend the contract duration to review, negotiate and settle outstanding change order request/claims submitted by the contractor after substantial completion, decreasing the total contract amount to $37,057,634, and increasing the total contract duration to 1,698 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 7% for this contract, the contractor committed to a LBE participation of 9.27% with its bid submittal, and CMD has determined that the contractor made a good faith effort to comply with its LBE subcontracting goal by achieving a final LBE participation of 10.71%; and

WHEREAS, Funds are available from Project No. CUW35302 – Seismic Upgrade of BDPL 3&4 at the Hayward Fault; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Steve P. Rados, Inc. for Water Enterprise, WSIP-funded Contract No. WD-2629, Seismic Upgrade of Bay Division Pipeline 3 and 4 at the Hayward Fault, approves Modification No. 35 (Final) reducing the contract amount by $94,366 and increasing the contract duration by 766 consecutive calendar days for a total contract amount of $37,057,634, and a total contract duration of 1,698 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby ratifies the correction of the award duration stated in Resolution No. 12-0101 from 828 consecutive calendar days to 858 consecutive calendar days as stated in the original executed contract and authorizes final payment to the contractor, Steve P. Rados, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0077**

WHEREAS, On January 13, 2015, per Resolution No. 15-0018, this Commission approved the award of Water System Improvement Program (WSIP)-funded Contract No. WD-2668, Regional Groundwater Storage and Recovery, to Ranger Pipelines, Inc. for $42,980,047; and

WHEREAS, Resolution No. 15-0018 incorrectly referenced the total contract duration as 917 consecutive calendar days, but the contract specifications stated a total duration of 1,007 consecutive calendar days (917 consecutive calendar days to substantial completion and 90 additional days to final completion); and

WHEREAS, The construction contract Notice-to-Proceed date was April 6, 2015; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On July 25, 2017, per Resolution No. 17-0170, this Commission approved an increase to the contract cost contingency in the amount of $4,070,149 and an increase to the contract duration contingency in the amount of 79 consecutive calendar days, allowing for approval of any future modifications up to a total contract amount up to $51,348,201 and a total duration of up to 1,187 consecutive calendar days, and this Commission action was based on an original award duration of 1,007 days, rather than the 917 days incorrectly stated in Resolution No. 15-0018 ; and

WHEREAS, Change Order Nos. 1 to 85 were issued in the amount of $7,513,087 for installation of sodium hydroxide system, fire alarm, site restoration, fire hydrant, additional hot taps, piping, flow meters, water quality samplers, electrical conduit and wiring, and security system; rehabilitation of existing wells; inspection of wells; payment for service connection fees; other mechanical and electrical work; and time extension of 84 calendar days, increasing the contract amount to $50,493,134 ; and

WHEREAS, Change orders approved to date for this construction contract amount to $7,513,087, pending change orders amount to $465,000, potential change orders amount to $5,119,044, and potential future change orders amount to $3,501,500; and

WHEREAS, These change orders, if fully converted to approved change orders, would exceed the approved construction cost and duration contingencies; and

WHEREAS, An increase in the construction contract cost contingency in the amount of $8,230,477 and an increase in contract duration contingency in the amount of 358 consecutive calendar days are requested to allow implementation of necessary changes in the chemical injection points for sodium hydroxide (NaOH) treatment which required the addition and modification of NaOH systems as well as the addition of remote automated sampling analyzers at seven well stations, modifications to utility connections, modifications to site access at three well stations to accommodate large chemical delivery trucks, and execution of the system-wide startup and testing; and provide payment for contractor's extended overhead costs; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting goal of 14% for this construction contract, and the contractor committed to a LBE participation of 14.1% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUW30103 - Regional Groundwater Storage and Recovery; and

WHEREAS, The Planning Department determined that the scope changes to the project were within the scope of the Regional Groundwater Storage and Recovery Environmental Impact Report, certified by the Planning Commission on August 7, 2014; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the construction contract cost contingency of $8,230,477 and an increase in the contract duration contingency of 358 consecutive calendar days for WSIP-funded Contract No. WD-2668, Regional Groundwater Storage and Recovery, for a total construction cost contingency of $16,598,631 and a total contract duration contingency of 538 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve future modifications to the contract amount of up to a total contract amount of $59,578,678 and future modifications to the contract duration of up to a total contract duration of 1,545 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby ratifies the correction of the award duration stated in Resolution No. 15-0018, adopted by this Commission on January 13, 2015, from 917 consecutive calendar days to 1,007 calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0078**

WHEREAS, The Southeast Water Pollution Control Plant (SEP) Biosolids Digester Facilities Project (BDFP) was deemed critical to provide major overhauls to outdated digester and solids handling facilities at SEP; and

WHEREAS, In light of the large scope and the complexity of the BDFP, it is necessary to procure the services of a qualified Construction Management (CM) firm to provide specialized CM services to augment San Francisco Public Utilities Commission (SFPUC) staff through Agreement No. PRO.0068, Biosolids Digester Facilities Construction Management (CM) Staff Augmentation Services; and

WHEREAS, The estimated cost of professional services is $42,000,000; and

WHEREAS, A Request for Proposals (RFP) was advertised on January 24, 2018; and

WHEREAS, Services are anticipated to begin in August 2018 and end in July 2025, for a total agreement duration of seven years; and

WHEREAS, The SFPUC received a sole proposal from Arcadis U.S., Inc. (Arcadis) in response to the RFP; and

WHEREAS, SFPUC and Contract Monitoring Division (CMD) staff has confirmed that Arcadis met the minimum qualifications and other pre-award requirements; and

WHEREAS, SFPUC staff has determined that Arcadis is highly qualified to perform the services identified in the RFP and that further outreach, re-advertisement, or modification of the RFP would not change the outcome of receiving additional proposals; and

WHEREAS, CMD has established a subconsulting requirement of 20% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement, and Arcadis has committed to 20.33% LBE participation; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within two weeks of the date of the Board of Supervisors' authorization to execute the Agreement may result in re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Board of Supervisors' authorization to execute the Agreement; failure of the Proposer to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for this agreement will be available at the time of award from CWWSIPDP01, SEP Biosolids Digester Facilities Project; and

WHEREAS, On March 28, 2013, by Resolution No. 13-0086, this Commission awarded Agreement No. CS-235 to Brown & Caldwell to provide planning and engineering services for the Biosolids Digester Facilities Project (BDFP); and

WHEREAS, On May 9, 2017, by Resolution No. 17-0110, this Commission awarded Agreement No. WW-647R to MWH Constructors/Webcor Builders, Joint Venture (JV) as a Construction Manager/General Contractor (CM/GC) to provide preconstruction services for the BDFP; and

WHEREAS, On March 13, 2018 via Resolution 18-0042 this Commission adopted California Environmental Quality Act (CEQA) Findings, including the Statement of Overriding Considerations and the Mitigation and Monitoring Reporting Program, approved Project No. CWWSIPDP01, and authorized staff to proceed with necessary actions to implement the Project; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Arcadis U.S., Inc.; awards the Sewer System Improvement Program (SSIP)-funded Agreement No. PRO.0068, Biosolids Digester Facilities CM Staff Augmentation Services, to provide fully qualified and experienced construction management personnel to assist the SFPUC in managing the construction of the Biosolids Digester Facilities Project; and authorizes the General Manager of the SFPUC to negotiate and execute a professional services agreement with Arcadis for an amount not-to-exceed $42,000,000, and with a duration of seven years, subject to Board of Supervisors approval pursuant to Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0079**

WHEREAS, The City and County of San Francisco ("City") owns certain real property presently under the jurisdiction of the San Francisco Public Utilities Commission ("SFPUC") consisting of approximately 1.96 acres of SFPUC Parcel 201-A in Mountain View, California ("Premises"); and

WHEREAS, The City, acting through the SFPUC, entered into a 51-year ground lease with Mountain View Apartments Limited Partnership dated February 26, 1980 ("Original Lease") for the use of the Premises for parking and landscaping, ingress and egress, and emergency vehicle access to serve the adjacent affordable housing complex ("Shorebreeze Apartments") serving low-income families and seniors; and

WHEREAS, The Original Lease was approved by Commission Resolution No. 80-0085 dated February 26, 1980 and Board of Supervisors Resolution No. 242-80 dated March 24, 1980; and

WHEREAS, The MidPen Housing Corporation ("MidPen Housing"), a California nonprofit corporation and nonprofit affordable housing developer, is Mountain View Apartments Limited Partnership's successor-in-interest under the Original Lease; and

WHEREAS, In response to the regional housing crisis in the San Francisco Bay Area, MidPen Housing and the City of Mountain View decided in 2014 to rehabilitate and expand the Shorebreeze Apartments; and

WHEREAS, On January 30, 2018, the City of Mountain View approved an amendment to its Precise Plan to add 50 net new affordable housing units ("Project") at the Shorebreeze Apartments ("Redevelopment Plan"); and

WHEREAS, MidPen Housing identified certain funding sources for the Redevelopment Plan including project-based vouchers from the County of Santa Clara Housing Authority, $7.32 million from the City of Mountain View, $500,000 from the Housing Trust Silicon Valley, $13.9 million of tax credit equity financing allocated by the State of California, and $1.9 million of contributed developer fees earmarked for the creation of affordable housing in the City of Mountain View ("Funding Partners"); and

WHEREAS, The Funding Partners require a lease with a minimum 60-year term and a predetermined ground lease rent payment schedule over the full 60-year term to meet certain regulatory financing requirements for federal tax credits and local funding; and

WHEREAS, The Original Lease has only approximately 13 years of term remaining until the scheduled expiration of the Original Lease on March 31, 2031; and

WHEREAS, MidPen Housing desires to obtain a new 60-year lease ("New Lease") for the use of the Premises for parking, landscaping, and temporary staging ("Improvements") on the Premises to serve the adjacent Shorebreeze Apartments; and

WHEREAS, To facilitate its project financing, MidPen Housing created a limited partnership/corporate general partner ownership structure to serve as the tenant under the New Lease, and MP Shoreline Associates Limited Partnership and MP Shorebreeze Associates, L.P. (each a Co-tenant and collectively, "Tenant") under the New Lease are affiliates of MidPen Housing, and the corporate general partners of the Co-Tenants are IRS Section 501(c)(3) charitable organizations wholly owned and controlled by MidPen Housing; and

WHEREAS, The SFPUC desires to enter into the New Lease; and

WHEREAS, The proposed rent schedule in the New Lease provides for rent that increases every five years in predetermined increments during the 60-year term, and reflects an imputed 3% annual inflation factor; and

WHEREAS The stepped rent schedule is derived from the current fair market rent as determined by a MAI appraisal performed by Clifford Advisory, LLC dated January 25, 2018, discounted at 50%; and

WHEREAS, In 2011, the SFPUC adopted the Community Benefits Program by its Resolution No. 11-0008, which seeks to serve and foster partnership with communities in SFPUC service areas and to ensure public benefits are shared across all communities; and

WHEREAS, Tenant is controlled by a nonprofit organization with a charitable purpose and its affordable housing programs are considered an important community benefit to residents in Mountain View and other SFPUC service areas; and

WHEREAS, The New Lease benefits the SFPUC's primary utility purposes by eliminating SFPUC maintenance costs for the surface of the Premises and by requiring Tenant to pay property and possessory interest taxes; and

WHEREAS, On January 27, 2018, acting as the lead agency, the City of Mountain View adopted a Negative Declaration for the Shorebreeze Apartment Project pursuant to the provisions of the California Environmental Quality Act (CEQA) Guidelines; and

WHEREAS, The City of Mountain View's adoption of the Negative Declaration and approval of the Project and other materials that are part of the record of this approval are available for public review at the SFPUC offices, Real Estate Services Division, 525 Golden Gate Avenue, 10th Floor, San Francisco, CA; and

WHEREAS, Since the City of Mountain View approved the Project, there have been no substantial changes in the Project or changes in Project circumstances that would result in significant adverse effects, and there is no new information of substantial importance that would change the conclusions set forth in the Negative Declaration.

WHEREAS, This Commission has reviewed the Negative Declaration and has determined that the SFPUC's issuance of a lease to carry out the portion of the Project that requires the use of the SFPUC ROW is within the scope of the Project's CEQA approval, and that these documents are adequate for the SFPUC's use in approving the lease renewal for the Project; now, therefore, be it

RESOLVED, This Commission has reviewed and considered the Negative Declaration and record, finds that the Negative Declaration is adequate for its use as the decision-making body for the action taken herein; and be it

FURTHER RESOLVED, This Commission finds that since the Negative Declaration was finalized, there have been no substantive Project changes and no substantial changes in project circumstances that would require revisions to the Negative Declaration due to the involvement of significant adverse effects, and there is no new information of substantial importance that would change the conclusions set forth in the Negative Declaration; and be it

FURTHER RESOLVED, That this Commission hereby finds that the New Lease's below market rent is warranted because it facilitates MidPen Housing's expansion of affordable housing on its adjacent property, a public benefit that is consistent with this Commission's Community Benefits Policy, adopted by Resolution No. 11-0008 to better serve and foster partnership with communities in all SFPUC service areas, while still providing a utility purpose by relieving the SFPUC of the significant cost of ongoing maintenance and security; and, be it

FURTHER RESOLVED, That this Commission hereby approves the terms and conditions of this New Lease; and, be it; and be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves and authorizes all actions heretofore taken by any City official in connection with this New Lease; and be it

FURTHER RESOLVED, That this Commission authorize**s** the General Manager to seek approval of the New Lease from the Board of Supervisors pursuant to Charter Section 9.118; and be it

FURTHER RESOLVED, That upon such approval, this Commission hereby authorizes and directs the SFPUC General Manager to execute the New Lease; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager to enter into any amendments or modifications to this New Lease, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interest of the City; do not materially increase the obligations or liabilities of the City; are necessary or advisable to effectuate the purposes and intent of the Lease or this resolution; and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

Resolution No. 18-0080

WHEREAS, the 2009 Water Supply Agreement was approved by Commission Resolution No. 09-0069 on April 28, 2009 and was approved by all wholesale customers with an effective date of July 1, 2009; and

WHEREAS, as required by WSA section 6.03, notice of the proposed adjustment was sent to all wholesale customers on April 5th, 2018, and a public hearing was held on May 8, 2018 to review a Schedule for Recovery of the Wholesale Revenue Requirement for water sales to Wholesale Customers during FYE 2019, a copy of said Water Supply Agreement and Schedule W-25 *Wholesale Use With Long Term Contract* being on file with the Secretary of the Commission, and incorporated in this resolution by reference; and

WHEREAS, the Commission approved the 2009 Water Supply Agreement after reviewing the Final Program Environmental Impact Report for the Water System Improvement Program, and adopted and incorporated by reference the California Environmental Quality Act (CEQA) findings contained in Commission in Resolution No. 08-0200 dated October 30, 2008, and made additional findings pursuant to CEQA; and

WHEREAS, the Commission is required to follow the rate setting methodology established in the Water Supply Agreement, and acts in a ministerial capacity in setting the resultant wholesale water rate, and the Commission's action in determining the Wholesale Revenue Requirement is therefore not a "project" for purposes of CEQA; and

WHEREAS, On April 23, 2018 the Planning Department determined that this Commission's determinations of the Wholesale Revenue Requirement is statutorily exempt from CEQA under Public Resources Code Section 21080(b)(8) and Section 15273 of the CEQA Guidelines because this action is securing revenue for purposes of meeting estimated FYE 2018 Regional operating and capital costs consistent with Article 5 of the 2009 Water Supply Agreement, including: (1) employee wages and fringe benefits; (2) purchasing or leasing supplies, equipment or materials; (3) meeting financial reserve needs and requirements; and (4) obtaining funds for capital projects necessary to maintain service within the Commission's existing water service area; now, therefore, be it

RESOLVED, This Commission determines that no change in the volumetric rate for the Wholesale Customers is required as enumerated in said Schedule W-25 which shall be uniform to the nearest dollar on service charges, and establishes a $4.10 per 100 cubic feet commodity charge, for all water delivered to the Wholesale Customers, and this rate shall remain in place until replaced or amended.

FURTHER RESOLVED, This Commission hereby adopts an Untreated Wholesale Water Rate Discount Factor, effective July 1, 2018, as enumerated in said Schedule W-25 which shall be uniform to the nearest dollar on service charges, and establishes a $0.44 per 100 cubic feet rate discount factor, for all untreated water delivered to the Coastside County Water District, and this rate shall remain in place until replaced or amended.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Wood

Secretary, Public Utilities Commission

SCHEDULE W-25 WHOLESALE USE WITH LONG TERM CONTRACT

For service to municipalities, water districts and others who, under long-term contracts, purchase water for resale:

FIRST: A MONTHLY SERVICE CHARGE based on the type and size of the meter:

Meter Size	Disc/ Compound Meters	Crest Meters	Magnetic Meters	Turbine Meters
5/8 in	$11.00			
3/4 in	$18.00			
1 in	$30.00			
1-1/2 in	$43.00			
2 in	$79.00			
3 in	$158.00			
4 in	$318.00	$353.00		$577.00
6 in	$476.00	$685.00		$1,256.00
8 in	$635.00	$1,335.00	$2,265.00	$1,875.00
10 in	$793.00	$1,732.00		$3,391.00
12 in	$953.00	$1,840.00	$5,159.00	
16 in	$1,270.00	$5,628.00		$7,215.00
18 in		$6,133.00		
20 in		$6,349.00		

The service charge for a battery of meters installed on one service in lieu of one meter or for a special type of meter shall be based on the size of single or multiple standard type meter of equivalent capacity.

Second: A charge for water delivered based on one-month's meter readings:

$1,785.96 per acre-foot or $4.10 per 100 cubic-feet

Third: An untreated wholesale water rate discount factor for Wholesale Customers receiving untreated water, based on one-month's meter readings:

($191.66) per acre-foot or ($0.44) per 100 cubic-feet

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0081

WHEREAS, San Francisco Charter Section 8B.121 grants the San Francisco Public Utilities Commission (SFPUC) exclusive charge of all energy supplies and utilities of the City, and the SFPUC is the governing body for the publicly owned electric utility (Power Enterprise). The Commission sets the rates, fees and other charges in connection with providing utility services under its jurisdiction; and

WHEREAS, The SFPUC conducted a comprehensive review and rate setting process for the Power Enterprise in November 1989, and the Commission adopted Resolution 89-0355 establishing rates, fees and charges intended to cover operations and maintenance expenses, taxes, property depreciation, as well as a capital investment return to fund repair and replacement expenses; and

WHEREAS, For electric service to certain municipal and existing public agency customers identified in Resolution 89-0355, the SFPUC then established a specific cost of service of $0.02921 per kilowatt-hour (kWh). That fixed rate was adjusted in the intervening years; and

WHEREAS, In July 2004, the Board of Supervisors adopted Resolution 431-04, establishing a policy to set annual appropriations for General Fund departments at levels sufficient to compensate the Power Enterprise for all electricity sales to those departments at a rate that reflects the same cost of service principles outlined in the San Francisco Charter Section 8B.125 Rates. The general principles set forth in that Charter Section, applicable to setting retail rates, fees and charges, is that those rates should be based on the cost-of-service, set at levels sufficient to improve or maintain financial conditions at or above levels equivalent to highly rated utilities, and provide sufficient resources for appropriate reserves, operation, maintenance and repair, consistent with good utility practice; and

WHEREAS, San Francisco Charter Section 8B.125 also provides that in setting retail rates, fees and charges, the Commission shall retain an independent rate consultant to conduct rate and cost-of-service studies for each utility at least every five years. Consistent with the Board policy as expressed in Resolution 431-04, the SFPUC contracted with NBS/Navigant for the 2016 Power Cost of Service Study which recommended $0.005 /kWh increases in rates annually for FY 2016-17 and FY 2017-18, applicable to customers on GUSE rates; and

WHEREAS, Beginning in FY 2018-19, the SFPUC General Manager recommends increasing electric rates and charges on average by $0.005 /kWh each year, over the next two years (for a total of 1 cent) for all municipal departments and other public agencies that receive electric service at the GUSE rate; and

WHEREAS, To simplify administration and improve fairness for customers, beginning in FY 2018-19, the SFPUC General Manager recommends the consolidation of the existing general use municipal electricity service rate (GUSE rate) schedules into a single rate for certain municipal departments and public agencies that receive electric service at the GUSE rate; and

WHEREAS, The proposed increases in rates, fees and charges are intended to more closely align revenues with Power Enterprise expenses and to provide additional revenues for capital financing for repair and replacement of existing utility infrastructure; and

WHEREAS, The Rate Fairness Board has reviewed the details of this rates proposal on March 30, 2018, and has presented the results of its review to this Commission; and

WHEREAS, On April 23, 2018 the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) under Public Resources Code Section 21080(b)(8) and the CEQA Guidelines Section 15273; and

WHEREAS, Charter Section 8B.125 requires the Commission to set rates and charges, subject to rejection by the Board of Supervisors, within 30 days of submission; now, therefore, be it

RESOLVED, This Commission hereby determines that the proposed increases to electric rates and charges for those receiving electric service at GUSE rates are required to meet the projected revenue requirement for the Power Enterprise; and be it

FURTHER RESOLVED, That the Commission hereby adopts the following revised Schedule of Municipal Electricity Service Rates to replace the former GUSE schedules and to apply to the attached customer list as defined in the Schedule, on or after July 1, 2018; and be it

FURTHER RESOLVED, That any City and County of San Francisco municipal department or other public agencies not included in the customer list attached to the revised Schedule shall be offered service at the Enterprise Rate or Hetch Hetchy Power Rate.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

SCHEDULE OF MUNICIPAL ELECTRICITY SERVICE RATES
EFFECTIVE JULY 1, 2018
(Adopted May 8, 2018 by Commission Resolution No.: 18-0081)

Schedule M-2: Municipal Electricity Service Rate
This schedule of rates, fees and charges is applicable for electric service from Hetch Hetchy Power Enterprise to the below list of City and County of San Francisco municipal departments and other public agencies (all or specific divisions of the entities and departments listed below) receiving electric service at fixed rates, as initially established in the Commission adopted Resolution 89-0355 and amended thereafter by the SFPUC, depending upon the charge per kWh in effect for FY 2018-19 and FY 2019-20, as shown:

A charge for all electricity delivered based on meter readings on or after July 1, 2018 as follows.

General Use Municipal Electricity Service Rate	FY 2018-19 ($/kWh)	FY 2019-20 ($/kWh)
	$0.07377	$0.07877

City and County of San Francisco Municipal Departments and Other Public Agencies	
Administrative / General Services – General Fund Supported	Fine Arts Museums
Administrative Services / General Services – Street Lighting	Fire Department
Adult Probation	General Services Agency – ReproMail
Animal Care & Control	Health Service Administration
Art Commission	Juvenile Probation
Asian Art Museum	Mayor's Office of Housing & Community Development
California Academy of Science	Office of City Administrator
Child Support Services	Police Department
City Attorney's Office	Public Defender's Office
Civic Center Court House	Public Health
Community College	Public Works (except Street and Sewer Repair & Subdivisions, Street and Environmental Services)
Criminal Justice	Real Estate Department
Department of Consumer Assurance	Recreation & Parks (except Yacht Harbor)
Department of Elections	San Francisco Zoo
Human Services Agency	San Francisco Municipal Transportation Agency (except Parking Engineering and Parking Authority)
District Attorney	San Francisco Unified School District
Emergency Centers	Sheriff
Exploratorium	Department of Technology
	War Memorial

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0082

WHEREAS, Pursuant to the published notice of the intention of the Public Utilities Commission to adopt revised schedules of connection charges and miscellaneous fees and charges to be charged by the SFPUC, a public hearing was held on May 8, 2018 and members of the public were given an opportunity to express their views on the revised schedules of connection charges and miscellaneous fees and charges; and

WHEREAS, Unless otherwise noted in the attached schedule, the fees and charges set forth in the attached schedules shall be automatically adjusted on July 1 of each subsequent year in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year; and

WHEREAS, On April 23, 2018 the Planning Department determined that this action is exempt from the California Environmental Quality Act (CEQA) in accordance with Public Resources Code Section 21080(b)(8) and California Environmental Quality Act (CEQA) Guidelines Section 15273; now therefore be it

RESOLVED, The Commission hereby approves the elimination of the New Account Charge, the Service Shut-Off Fee, and the Service Turn-On Fee, effective as of July 1, 2018; and be it

FURTHER RESOLVED, The Commission hereby approves, adopts, and ratifies the schedules of fees and charges attached hereto; and be it

FURTHER RESOLVED, The attached fees and charges shall be effective on and after July 1, 2018, and shall remain in effect until repealed, modified or superseded; and be it

FURTHER RESOLVED, The Commission hereby authorizes the Water and Wastewater Enterprises to provide lead testing and lab testing services, ratifies prior actions taken and approves the proposed FYE 2019 fees on the attached lab fee schedule to take effect July 1, 2018.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Secretary, Public Utilities Commission

SCHEDULE OF MISCELLANEOUS FEES

FOR WATER AND WASTEWATER SERVICE

EFFECTIVE JULY 1, 2018

(Adopted May 8, 2018 by Commission Resolution No. 18-0082)

SCHEDULE W-41A. WATER SERVICE INSTALLATION FEES

Applicable to all water customers for service installations made at the customer's request.

The charge for setting each additional meter on an existing or new service for residential and small commercial use and the charge for resetting a meter on an existing usable service shall be established in the same manner as below.

For installations not covered in the below tables or when, in the opinion of the General Manager, any unusual conditions may result in costs more than 15% greater than the scheduled costs, the General Manager may require payment on the basis of actual costs.

All pipes, valves, fittings, equipment, materials, meters, any other facilities, up to and including the outlet equipment, shall remain the property of the Water Enterprise, and no part of the cost will be refunded.

The fees in Schedule W-41A will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Water Service Installation Charges for Single Services

Meter Size	Service Type	FYE 2019 Fee
1"	Standard Service	$10,720
1-1/2"	Standard Service	$15,060
2"	Standard Service	$15,060
3"	Standard Service	$43,070
4"	Standard Service	$43,070
6"	Standard Service	$50,560
8"	Standard Service	$57,970
1-1/2"	Fire Service	$14,340
2"	Fire Service	$14,340
4"	Fire Service	$28,300
6"	Fire Service	$33,520
8"	Fire Service	$38,470
1"	Combination Service	$10,720
1-1/2"	Combination Service	$15,060

Meter Size	Service Type	FYE 2019 Fee
2"	Combination Service	$15,060
1"	Non-Standard Service	$10,720
1-1/2"	Non-Standard Service	$15,060
2"	Non-Standard Service	$15,060

Water Installation Service Charges for Multiple Services

Meter Size	Service Type	FYE 2019 Fee	
		Primary	*Secondary*
1"	Standard Service	$8,770	$4,280
1-1/2"	Standard Service	$10,470	$5,730
2"	Standard Service	$10,470	$5,730
3"	Standard Service	$44,760	$36,660
4"	Standard Service	$44,760	$36,660
6"	Standard Service	$52,760	$44,760
8"	Standard Service	$60,540	$52,060
1-1/2"	Fire Service	$11,690	$6,920
2"	Fire Service	$11,690	$6,920
4"	Fire Service	$28,990	$21,120
6"	Fire Service	$34,510	$26,630
8"	Fire Service	$39,840	$31,930
1"	Combination Service	$8,770	$4,280
1-1/2"	Combination Service	$10,470	$5,730
2"	Combination Service	$10,470	$5,730
1"	Non-Standard Service	$8,770	$4,280
1-1/2"	Non-Standard Service	$10,470	$5,730
2"	Non-Standard Service	$10,470	$5,730

Additional Fees for Water Service Installations on Regulated Streets

Applicable to all water service installations in Schedule W-41A when the installation is located on a street or streets identified by the General Manager, in consultation with the Municipal Transportation Agency and the Department of Public Works, as requiring extra permitting and additional paving costs.

Fee Name	FYE 2019 Fee
Special Streets Additional Fee	$2,370
Moratorium Streets Additional Fee	$3,890

SCHEDULE W-41B: WATER SERVICE CONNECTION FEES

The fees in Schedule W-41B will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Builders & Contractors Connection Fee **$179**

Builder and Contractor customers that connect to the system will be assessed a Builders and Contractors connection charge to cover the administrative costs for connecting a meter.

Builders & Contractors Meter Rental Deposit

Builder and Contractor customers that connect to the system, in addition to payment of a Builders and Contractors connection fee, shall also pay a meter deposit of $1,570 for 1" meter and $5,050 for a 3" meter PLUS a charge equivalent to 50 units (CCF) of water at the current W-5 water rate. This deposit is refundable when the account is closed.

Builders & Contractors No-Reporting Penalty Fee

Builder and Contractor customers that do not bring the rented meter in for reading and testing according to the meter reading schedule will be assessed a penalty fee equivalent to 25 units (CCF) of water at the effective W-5 water rate per every delinquent month.

Docks & Shipping Connection Fee **$333**

Docks and Shipping customers that connect to the system will be assessed a Docks & Shipping connection charge to cover the administrative costs for setting up billing account and field work to provide connecting equipment.

Hydrant Flushing Fee

Customers using a portable meter to connect to a hydrant for potable uses require flushing and water quality testing prior to usage. A fee of $553 will be assessed to cover the cost of this service PLUS a charge equivalent to 13 units (CCF) of water at the current W-5 water rate.

SCHEDULE W-44. BILLING & SERVICE FEES

Except as noted, the following service fees are applicable to all customers except wholesale customers.

With the exception of the Pending Shutoff Notice Fee, Returned Check Charge, and Lead Test Fee, all fees in Schedule W-44 will be automatically adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Pending Shutoff Notice Fee **$50**

Prior to shutting-off water service for non-payment or violation of SFPUC Rules and Regulations, a service shut off notice is posted on the customer's premises. This charge will be added to the amount owed for water service to cover the cost of this notice.

Broken Lock Penalty Fee **$20**

This fee will be charged when a customer breaks the meter lock that was installed when the water service was shutoff in accordance with the Water Enterprise regulations.

Returned Check Charge **$50**

A return check charge shall be applied to any account whose check payment is returned due to insufficient funds, closed accounts or any other reason why the customer's bank did not honor the check. This charge will be made for every such occurrence.

Manual Meter-Reading Fee **$20**

Any customer who has opted out of automatic meter reads will be assessed a manual meter-reading charge to cover the cost of manual meter reading.

Meter Test Fee **$374**

Any customer who requests to test the accuracy of their water meter will be assessed this fee. If the meter is found to register more than the limit of error specified in the "Water Rules and Regulations Governing Water Services to Customers," the testing fee will be returned.

Lead Test Fee **$25 per sample**

At the customer's request, the Water Enterprise will provide lead testing of water samples taken from a customer's home or business. The fee covers sample bottle drop-off and pick-up, as well as the analytical tests.

SCHEDULE W-45. LAND USE & FACILITY RENTAL & USE FEES

The following fees are charged for access to or rental of lands, facilities, or right-of-way owned by the SFPUC. Facilities not listed here may be leased to customers based on negotiated contracts.

The ROW and Land Access Permit Fee in Schedule W-45 will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year. All other fees in W-45 shall not be adjusted absent further Commission action.

Fee Name	FYE 2019 Proposed Fee
ROW and Land Access Permit Fee	$628 plus $195 per day
O'Shaughnessy Chalet Rental Fee	$350 per night
O'Shaughnessy Cottage 2 Rental Fee	$250 per night
O'Shaughnessy Bunkhouse Rental Fee	$350 per night
O'Shaughnessy Meal Fee - Breakfast	$10
O'Shaughnessy Meal Fee - Lunch	$18
O'Shaughnessy Meal Fee - Dinner	$25

SCHEDULE W-46. WATER ENTERPRISE REGULATORY COMPLIANCE FEES

Backflow Tag Fee

Applicable to customers purchasing backflow tags required for the annual inspection of backflow prevention assemblies per Article 12A of the S.F. Health Code.

FYE 2019 Fee	FYE 2020 Fee	FYE 2021 Fee	FYE 2022 Fee
$15	$18	$21	$24

Auxiliary Water System Cross-Connection Test Fee

Applicable to buildings with auxiliary water systems required to undergo cross-connection testing.

The Auxiliary Water System Cross-Connection Test Fee will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Building Fixture Count	FYE 2019 Fee
Up to 320 Fixtures	$1,560
321 to 640 Fixtures	$3,120
641 to 1,280 Fixtures	$5,440
1,281 to 1,920 Fixtures	$7,430
1,921 to 2,560 Fixtures	$9,410
2,561 to 3,200 Fixtures	$11,400
3,201 to 3,840 Fixtures	$13,390
Over 3,840 Fixtures	Contact WQD

SCHEDULE W-47. WASTEWATER ENTERPRISE REGULATORY COMPLIANCE FEES

All fees in Schedule W-47 will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Pretreatment Permit Application Fee **$311**

Applicable to the initial permit application and any required annual or bi-annual renewal of Batch Discharge Permits, Industrial User Permits, and Construction Site Runoff Permits (including both Erosion and Sediment Control Plans and Storm Water Pollution Prevention Plans).

Pretreatment Facility Re-Inspection Fee **$243**

Applicable to permitted wastewater dischargers for inspections exceeding the standard number of required annual or bi-annual inspection of facilities subject to Batch Discharge Permits, Industrial User Permits, Food Service Establishment General Wastewater Discharge Permits, Mobile Washer General Wastewater Discharge Permits, and Dental Practice General Wastewater Discharge Permits.

Stormwater Control Plan Review Fee

Applicable to projects regulated by the Stormwater Management Ordinance. The Initial Submittal Fee is assessed for the review of the Preliminary Stormwater Control Plan. The Subsequent Review Fee is assessed for the review of the Final Stormwater Control Plan and any additional reviews needed.

Project Size	Initial Submittal	Subsequent Review
Small Project <25,000 gsf	$2,760	$1,770
Medium Project 25,000 – 250,000 gsf	$3,650	$2,210
Large Project >250,000 gsf	$4,830	$2,950

San Francisco Water Power Sewer

Services of the San Francisco Public Utilities Commission

FY 2018/19

Water Quality Division Laboratory Fee Schedule

Revision 4/25/2018

SFPUC WQD Laboratory Facilities & Contacts

Acting Laboratory Director
Kenneth Lee – (415) 920-4965
750 Phelps St.
San Francisco, CA 94124
klee@sfwater.org

Millbrae Water Quality Division Laboratory
Drinking Water Laboratory Manager:
Megan Tran – (650) 872-5945
1000 El Camino Real
Millbrae, CA 94030
mtran@sfwater.org
ELAP Certification #: 1449

Southeast Water Quality Division Laboratory
Wastewater Laboratories Manager:
Kenneth Lee – (415) 920-4965
750 Phelps St.
San Francisco, CA 94124
klee@sfwater.org
ELAP Certification #: 1721

Client Services Coordinator:
Robert Wellbrock – (650) 871-3011
rwellbrock@sfwater.org

Wastewater Laboratories Quality Assurance Officer/Safety Coordinator:
Lisa Mazuca – (415) 920-4742
lmazuca@sfwater.org

Drinking Water Laboratory Quality Assurance Officer:
Michael Giles – (650) 871-3066
mgiles@sfwater.org

LIMS Database Administrator:
Alex Liu – (415) 920-4764
aaliu@sfwater.org

EMERGENCY CALLS/AFTER HOURS CALLS - Contact Millbrae Dispatch: (650) 872-5900

Results Reporting Turnaround Time:
Standard turnaround time (TAT) for samples accepted is 15 business days[1] from date of receipt of samples. Project specific scopes of work & requirements should be documented with Client Services Coordinator and/or Lab Managers to ensure analytical requirements can be met. 15 day TAT only applies to in-house work that has been pre-scheduled. Samples requiring subcontracting to outside commercial laboratories will require additional time beyond 15 business days, unless rush TAT is requested.

Rush Schedule Upcharges (In-house Testing):

5 Day TAT	Standard TAT Fee + 50%
24 hour TAT	Standard TAT Fee + 100%

Rush Schedule Upcharges (Subcontracted Testing):

5 Day TAT	Standard TAT Fee + 50%
48 hour TAT	Standard TAT Fee + 100%
24 hour TAT	Standard TAT Fee + 200%

Hourly Field Services Charge for sample collection activities and courier service: $65/Hr.
Please contact Client Services for a project quote or additional information.

Microbiology/Parasitology Testing:		
Analysis	**Method**	**Price**
Total and Fecal Coliform by MTF	SM 9221 A/B/E	$35
TC/*E.coli* by MTF	SM 9221 A/B/C	$35
TC/*E.coli* by Presence Absence	SM 9223	$25
TC and *E. coli* by Quanti-tray	SM 9223	$30
Heterotrophic Plate Count (HPC)	SM 9215 B	$25
Bacteria Speciation	OmniLog Microbial ID	$85
Enterococci by Quanti-tray	SM 9230D	$35
Giardia and *Cryptosporidium* Combined	EPA 1623	$450
TCR Report Charge		$35

Drinking Water Process Chemistry:		
Analysis	**Method**	**Price**
Alkalinity	SM 2320B	$15
Ammonia	SM 4500-NH3 B, F/G	$20
Anions by Ion Chromatography, Part A:		
Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate, Sulfate	EPA 300.0A	$25 per analyte
Anions by Ion Chromatography, Part B:		
Bromate	EPA 300.1B	$75
Bromide	EPA 300.1B	$75
Chlorate	EPA 300.0B	$40
Chlorite	EPA 300.0B	$40

Drinking Water Process Chemistry (Continued):		
Bromate by UV/Vis	UV/Vis	$75
Chloride by argentometric titration	SM 4500 Cl-B	$25
Chlorine Residual(Free/Total)	SM 4500-Cl G	$20
Color	SM 2120B	$10
Conductivity	SM 2510B	$12
Corrosivity as Langelier Index: (pH, Temperature, Conductivity, Calcium Hardness, Alkalinity)	As listed for each individual analyte	$87
Dissolved Oxygen (DO)	DO Meter	$10
Fluoride by ion selective electrode	SM 4500-F C	$25
Hardness (Total)	SM 2340C	$30
Hardness (Calcium)	SM 3500-Ca D	$30
Hexavalent Chromium (Cr VI)	EPA 218.7	$115
Magnesium; calculation from hardness	SM 3500 Mg E	$30
MBAS (Surfactants) by Colorimetry	SM 5540 C	$40
Nitrate by Colorimetry	EPA 354.1	$25
Nitrate by Cadmium reduction	EPA 353.2/3	$25
Nitrite by Colorimetry	SM 4500-NO2 B	$25
Odor	SM 2150 B	$25
Odor by FPA	SM 2170	$50
Orthophosphate (as P or PO_4)	SM4500-P-F	$25
pH	SM 4500-pH	$10
Phytoplankton Count	SM 10200F	$60
Solids		
Total Solids	EPA 160.3	$20
Total Dissolved Solids	SM 2540C	$20
Total Suspended Solids	SM 2540D	$20
Total Volatile Solids	EPA 160.4	$20
Temperature	SM 2500B	$10
Total Organic Carbon (TOC)	SM 5310C	$40
Dissolved Organic Carbon (DOC)	SM 5310C	$40
Turbidity	SM 2130B	$15
UV 254 by UV absorption	SM 5910 B	$20
LEAK/SEEPAGE Test: Alkalinity, Chloride, Chlorine Residual, Conductivity, Fluoride, Hardness, Ammonia, Odor, pH, Uric Acid	As listed for each individual analyte	$237
Consumer Complaint: Alkalinity, Hardness, Chloride, pH, Conductivity, Turbidity, Copper, Iron	As listed for each individual analyte	$117

Wastewater Process Chemistry:		
Analysis	**Method**	**Price**
Alkalinity	SM 2320 B	$15
Biological Oxygen Demand (BOD5)	SM 5210 B	$36
Chloride	SM 4500-Cl- C	$12
Chlorine, residual	SM 4500-Cl C	$16
Chemical Oxygen Demand (COD)	SM 5220 D	$20
Cyanide, Total	SM 4500-CN B, C, E	$36
Fluoride	SM 4500-F- B, C	$12
Hardness	SM 2340 C	$12
MBAS (Surfactants)	SM 5540 C	$48
Ammonia (as N)	SM 4500-NH3 B, C	$16
Total Kjeldahl Nitrogen (TKN)	SM 4500-NH3 C	$32
Nitrite (as N)	SM 4500-NO2- B	$16
Nitrate (as N)	SM 4500-NO3- E	$16
Dissolved Oxygen	SM 4500-O C, G	$8
pH	SM 4500-H+ B	$10
Phenolics	EPA 420.4	$40
Phosphorous (Ortho)	SM 4500-P E	$16
Phosphorous (Total)	HACH8190, EPA 200.7	$25
Solids		
Fixed and Volatile	SM 2540 E	$18
Total Solids	SM 2540 B	$12
Total Dissolved	SM 2540 C	$12
Suspended	SM 2540 D	$16
Settleable	SM 2540 F	$16
Sulfate	HACH 8051	$16
Sulfide	SM 4500-S^{2-} D	$16
Temperature	SM 2550 B	$8
Total Organic Carbon (TOC)	SM 5310 B	$36
Turbidity	SM 2130 B	$10
Volatile acids	Titration	$40

Bioassay Testing:		
Analysis	**Method**	**Price**
Acute: 96hr static-renewal (plus reftox) using juvenile Rainbow Trout (*Oncorhyncus mykiss*)	EPA-821-R-02-012	$1090
Chronic: Dechlorinated, unmanipulated, and zeolite-treated (plus reftox) using Purple Urchins (*Strongylocetrotus purpuratus*) or Sand Dollars (*Dendraster excenticus*)	EPA/600/R-95-136	$1500

Inorganics/Trace Metals:		
Analyte	**Method**	**Price**
Price per initial digestion		**$20**
Aluminum, Al	EPA 200.7/200.8	First element requested = $25 Each additional element = $10
Antimony, Sb	EPA 200.7/200.8/6020	
Arsenic, As	EPA 200.7/200.8/6020	
Barium, Ba	EPA 200.7/200.8/6020	
Beryllium, Be	EPA 200.7/200.8/6020	
Boron, B	EPA 200.7	
Cadmium, Cd	EPA 200.7/200.8/6020	
Calcium, Ca	EPA 200.7/200.8	
Chromium, Cr	EPA 200.7/200.8/6020	
Cobalt, Co	EPA 200.7/200.8/6020	
Copper, Cu	EPA 200.7/200.8/6020	
Iron, Fe	EPA 200.7/200.8	
Lead, Pb	EPA 200.7/200.8/6020	
Lithium, Li	EPA 200.7/200.8	
Magnesium, Mg	EPA 200.7/200.8	
Manganese, Mn	EPA 200.7/200.8	
Molybdenum, Mo	EPA 200.7/200.8	
Nickel, Ni	EPA 200.7/200.8/6020	
Potassium, K	EPA 200.7/200.8	
Phosphorous	EPA 200.7	
Selenium, Se	EPA 200.7/200.8/6020	
Silver, Ag	EPA 200.7/200.8/6020	
Silica, SiO_2	EPA 200.7	
Sodium, Na	EPA 200.7/200.8	
Strontium, Sr	EPA 200.7/200.8	
Tin, Sn	EPA 200.7/200.8	
Titanium, Ti	EPA 200.7/200.8	
Thallium, Tl	EPA 200.7/200.8	
Vanadium, V	EPA 200.7/200.8/6020	
Zinc, Zn	EPA 200.7/200.8/6020	
Mercury, Hg (Low Level/Clean Hands)	EPA 1631E (includes digestion)	$75
Mercury, Hg (CVAA)	EPA 245.1/7471A (includes digestion)	$50

Inorganic/Metals Group Testing:	
Group	**Price**
Lead and Copper Rule (LCR): Cu/Pb (+ Alkalinity, Conductivity, Hardness, pH; Langelier Index)	$102
LUFT Metals (Cd, Cr, Pb, Ni, Zn)	$65
RCRA Metals (Ag, As, Ba, Cd, Cr, Hg, Pb, Se)	$135
Priority Pollutant Metals (Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Se, Sb, Tl, Zn)	$185
CAM17 (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Se, Sb, Tl, V, Zn)	$225
Title22 Metals (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Se, Tl, V, Zn)	$200
TAL Metals (Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn)	$270

*Note: Additional **per sample digestion fee of $20** per sample will be applied if applicable.*

Drinking Water Organics (Volatile & Semi-Volatile):		
Analysis	**Method**	**Price**
Volatile Organic Compounds by GC/MS	EPA 524.2	$200
Trihalomethanes (THMs) by GC/MS	EPA 524.2	$50
Total Haloacetic Acids (HAAs)	EPA 557	$195
Total Haloacetic Acids + Bromate	EPA 557	$245
MTBE, DIPE, TAME, and ETBE by GC/MS	EPA 524.2	$165
Quarterly HAA6 Report for Disinfection Byproducts Compliance Report Charge		$35

Wastewater Organics (Volatile & Semi-Volatile):		
Analysis	**Method**	**Price**:
Oil & Grease, hexane extractable	EPA 1664A	$75
Oil & Grease, petroleum origin	EPA 1664A	$75
Fuel products identification by GC/MS	EPA 8015	$150
Organochlorine pesticides by GC/ECD	EPA 608	$150
Pesticides & PCBs by GC/ECD	EPA 608	$225
PCBs by GC/ECD	EPA 608	$75
Volatile Organic Compounds by GC/MS	EPA 624	$150
Acrolein and Acrylonitrile by GC/MS	EPA 624	$150
Semi-Volatile Organic Compounds by GC/MS	EPA 625	$450

Additional Subcontracted Analyses:		
Analysis	**Method**	**Price**
Volatile & Semi-Volatile Organic Compounds		
Acrolein and Acrylonitrile by GC/MS	EPA 624	$175
2-Chloroethylvinylether by GC/MS	EPA 624	$85
TPH-D/MO (DRO)	EPA 8015M	$100
TPH-G (GRO)	EPA 624/8015	$60
VOCs Full List and TPH-Gas	EPA 8260	$175
Semi-Volatile Organic Compounds	EPA 8270	$230
Semi-Volatile Organic Compounds w/ Tentatively Identified Compounds (TIC)	EPA 8270	$230
Polycyclic Aromatic Hydrocarbons	EPA 625	$650
1,2,3-Trichloropropane (RL=0.005 µg/L)	EPA 524 Modified (SIM)	$230
Synthetic Organic Compounds (SOCs)		
Organochlorine Pesticides & PCB's	EPA 505	$175
Semi-Volatile Organic Compounds	EPA 525.2	$375
Aldicarbs/Carbamates	EPA 531.2	$175
Diquat & Paraquat	EPA 549.2	$175
EDB-DBPC	EPA 504.1	$50
Chlorophenoxy Herbicides	EPA 515	$175
Nitrosamines	EPA 521	$490
Endothall	EPA 548.1	$175
Glyphosate	EPA 547	$175
Haloacetic Acids (HAAs)	SM 6251B	$275
Haloacetonitriles (HANs)	EPA 551.1	$230
Haloketones (HKs)	EPA 551.1	Included w/HANs
Chloral Hydrate (CH)	EPA 551.1	Included w/HANs
Chloropicrin (CP)	EPA 551.1	Included w/HANs
Pesticides & PCBs	EPA 8081/8082	$260
Pesticides	EPA 8081	$145
PCB Congeners (40 Congeners)	EPA 1668	$1,125
PCB Congeners (209 Congeners)	EPA 1668	$1,375
Dioxins (Full Congener List)	EPA 1613B	$1,150
Dioxins (2,3,7,8 – TCDD Only)	EPA 1613B	$460
Polybrominated diphenyl ethers (PBDE)	EPA 1614	$1,150
Organophosphorus Pesticides	EPA 8141	$205
Chlorophenoxy Herbicides	EPA 8151	$230
Tributyl Tin	GC-FPD	$230
Multi Residue Pesticides (OC, OP, ON, TRI)		$1,000
Pharmaceutical & Personal Care Products	EPA 1694	$2,025

Additional Subcontracted Analyses (continued):		
Inorganics/Metals		
CAM 17 Metals plus Gold STLC	EPA 200.7/200.8	$230
CAM 17 Metals plus Gold TTLC	EPA 200.7/200.8	$230
CAM17 Metals STLC	EPA 200.7/200.8	$150
CAM17 Metals Soils	EPA 200.7/200.8	$150
Methyl Mercury	EPA 1630	$175
Low Level Hexavalent Chromium (Cr^{+6})	EPA 218.6	$115
Asbestos by TEM - >10 microns	EPA 100.1/100.2	$375
Radiologicals		
Gross Alpha	EPA 900	$60
Gross Beta	EPA 900	$60
Gross Alpha by Co-Precipitation	SM 7110C	$115
Radium 226	Ra-226 Ga	$87
Radium 228	Ra-228 Ga	$87
Radon 222	SM7500-Rn or EPA 600/2-87	$58
Strontium 90	EPA 905	$95
Tritium	EPA 906	$80
Uranium	EPA 908.1	$30
UCMR4		
UCMR4 Metals (Ge, Mn)	EPA 200.8	$46
UCMR4 Pesticides (8 +1 MBP)	EPA 525.3	$290
UCMR4 Brominated HAA Groups	EPA 552.2 or EPA 557	$205
UCMR4 Alcohols	EPA 541	$230
UCMR4 Semivolatiles	EPA 530	$290
UCMR4 TOC	SM 5310C	$46
UCMR4 Bromide	EPA 300.0	$58
UCMR4 Total Microcystins	EPA 546	$145
UCMR4 Cylindrospermopsin/Anatoxin-a	EPA 545	$345
UCMR4 Microcystins/Nodularin	EPA 544	$345
Gas Profile Analysis		
Fixed gases(H_2,O_2,N_2,CO,CO_2,CH_4)+H_2O	EPA 3C Modified	$150
Siloxanes	Sorbent tube	$345
VOC – 75 compound list	TO-15 (Tedlar bag)	$260
VOC – 75 compound list	TO-15 (6L Silonite Canister)	$280
Sulfur compounds (20 sulfurs)	ASTM DE 5504	$300

[1] Please note that the standard turnaround time (TAT) for samples analyzed by SFPUC staff is 15 business days. TAT may exceed 15 business days due to unforeseen issues, and the client will be notified of any potential delays either prior to or upon receipt of sample delivery. Samples analyzed by external subcontract laboratories do not have standard TAT's, and the TAT for subcontracted samples is generally longer than SFPUC staff times. Subcontract rush rates, shipping charges, and other charges will be applied to all invoices, as applicable.

Meter Size	Service Type	FYE 2019 Fee
2"	Combination Service	$15,060
1"	Non-Standard Service	$10,720
1-1/2"	Non-Standard Service	$15,060
2"	Non-Standard Service	$15,060

Water Installation Service Charges for Multiple Services

Meter Size	Service Type	FYE 2019 Fee	
		Primary	*Secondary*
1"	Standard Service	$8,770	$4,280
1-1/2"	Standard Service	$10,470	$5,730
2"	Standard Service	$10,470	$5,730
3"	Standard Service	$44,760	$36,660
4"	Standard Service	$44,760	$36,660
6"	Standard Service	$52,760	$44,760
8"	Standard Service	$60,540	$52,060
1-1/2"	Fire Service	$11,690	$6,920
2"	Fire Service	$11,690	$6,920
4"	Fire Service	$28,990	$21,120
6"	Fire Service	$34,510	$26,630
8"	Fire Service	$39,840	$31,930
1"	Combination Service	$8,770	$4,280
1-1/2"	Combination Service	$10,470	$5,730
2"	Combination Service	$10,470	$5,730
1"	Non-Standard Service	$8,770	$4,280
1-1/2"	Non-Standard Service	$10,470	$5,730
2"	Non-Standard Service	$10,470	$5,730

Additional Fees for Water Service Installations on Regulated Streets

Applicable to all water service installations in Schedule W-41A when the installation is located on a street or streets identified by the General Manager, in consultation with the Municipal Transportation Agency and the Department of Public Works, as requiring extra permitting and additional paving costs.

Fee Name	FYE 2019 Fee
Special Streets Additional Fee	$2,370
Moratorium Streets Additional Fee	$3,890

SCHEDULE W-41B: WATER SERVICE CONNECTION FEES

The fees in Schedule W-41B will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Builders & Contractors Connection Fee **$179**

Builder and Contractor customers that connect to the system will be assessed a Builders and Contractors connection charge to cover the administrative costs for connecting a meter.

Builders & Contractors Meter Rental Deposit

Builder and Contractor customers that connect to the system, in addition to payment of a Builders and Contractors connection fee, shall also pay a meter deposit of $1,570 for 1" meter and $5,050 for a 3" meter PLUS a charge equivalent to 50 units (CCF) of water at the current W-5 water rate. This deposit is refundable when the account is closed.

Builders & Contractors No-Reporting Penalty Fee

Builder and Contractor customers that do not bring the rented meter in for reading and testing according to the meter reading schedule will be assessed a penalty fee equivalent to 25 units (CCF) of water at the effective W-5 water rate per every delinquent month.

Docks & Shipping Connection Fee **$333**

Docks and Shipping customers that connect to the system will be assessed a Docks & Shipping connection charge to cover the administrative costs for setting up billing account and field work to provide connecting equipment.

Hydrant Flushing Fee

Customers using a portable meter to connect to a hydrant for potable uses require flushing and water quality testing prior to usage. A fee of $553 will be assessed to cover the cost of this service PLUS a charge equivalent to 13 units (CCF) of water at the current W-5 water rate.

SCHEDULE W-44. BILLING & SERVICE FEES

Except as noted, the following service fees are applicable to all customers except wholesale customers.

With the exception of the Pending Shutoff Notice Fee, Returned Check Charge, and Lead Test Fee, all fees in Schedule W-44 will be automatically adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Pending Shutoff Notice Fee **$50**

Prior to shutting-off water service for non-payment or violation of SFPUC Rules and Regulations, a service shut off notice is posted on the customer's premises. This charge will be added to the amount owed for water service to cover the cost of this notice.

Broken Lock Penalty Fee **$20**

This fee will be charged when a customer breaks the meter lock that was installed when the water service was shutoff in accordance with the Water Enterprise regulations.

Returned Check Charge **$50**

A return check charge shall be applied to any account whose check payment is returned due to insufficient funds, closed accounts or any other reason why the customer's bank did not honor the check. This charge will be made for every such occurrence.

Manual Meter-Reading Fee **$20**

Any customer who has opted out of automatic meter reads will be assessed a manual meter-reading charge to cover the cost of manual meter reading.

Meter Test Fee **$374**

Any customer who requests to test the accuracy of their water meter will be assessed this fee. If the meter is found to register more than the limit of error specified in the "Water Rules and Regulations Governing Water Services to Customers," the testing fee will be returned.

Lead Test Fee **$25 per sample**

At the customer's request, the Water Enterprise will provide lead testing of water samples taken from a customer's home or business. The fee covers sample bottle drop-off and pick-up, as well as the analytical tests.

SCHEDULE W-45. LAND USE & FACILITY RENTAL & USE FEES

The following fees are charged for access to or rental of lands, facilities, or right-of-way owned by the SFPUC. Facilities not listed here may be leased to customers based on negotiated contracts.

The ROW and Land Access Permit Fee in Schedule W-45 will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year. All other fees in W-45 shall not be adjusted absent further Commission action.

Fee Name	FYE 2019 Proposed Fee
ROW and Land Access Permit Fee	$628 plus $195 per day
O'Shaughnessy Chalet Rental Fee	$350 per night
O'Shaughnessy Cottage 2 Rental Fee	$250 per night
O'Shaughnessy Bunkhouse Rental Fee	$350 per night
O'Shaughnessy Meal Fee - Breakfast	$10
O'Shaughnessy Meal Fee - Lunch	$18
O'Shaughnessy Meal Fee - Dinner	$25

SCHEDULE W-46. WATER ENTERPRISE REGULATORY COMPLIANCE FEES

Backflow Tag Fee

Applicable to customers purchasing backflow tags required for the annual inspection of backflow prevention assemblies per Article 12A of the S.F. Health Code.

FYE 2019 Fee	FYE 2020 Fee	FYE 2021 Fee	FYE 2022 Fee
$15	$18	$21	$24

Auxiliary Water System Cross-Connection Test Fee

Applicable to buildings with auxiliary water systems required to undergo cross-connection testing.

The Auxiliary Water System Cross-Connection Test Fee will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Building Fixture Count	FYE 2019 Fee
Up to 320 Fixtures	$1,560
321 to 640 Fixtures	$3,120
641 to 1,280 Fixtures	$5,440
1,281 to 1,920 Fixtures	$7,430
1,921 to 2,560 Fixtures	$9,410
2,561 to 3,200 Fixtures	$11,400
3,201 to 3,840 Fixtures	$13,390
Over 3,840 Fixtures	Contact WQD

SCHEDULE W-47. WASTEWATER ENTERPRISE REGULATORY COMPLIANCE FEES

All fees in Schedule W-47 will be adjusted on July 1 of each subsequent year to reflect cost increases, in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

Pretreatment Permit Application Fee **$311**

Applicable to the initial permit application and any required annual or bi-annual renewal of Batch Discharge Permits, Industrial User Permits, and Construction Site Runoff Permits (including both Erosion and Sediment Control Plans and Storm Water Pollution Prevention Plans).

Pretreatment Facility Re-Inspection Fee **$243**

Applicable to permitted wastewater dischargers for inspections exceeding the standard number of required annual or bi-annual inspection of facilities subject to Batch Discharge Permits, Industrial User Permits, Food Service Establishment General Wastewater Discharge Permits, Mobile Washer General Wastewater Discharge Permits, and Dental Practice General Wastewater Discharge Permits.

Stormwater Control Plan Review Fee

Applicable to projects regulated by the Stormwater Management Ordinance. The Initial Submittal Fee is assessed for the review of the Preliminary Stormwater Control Plan. The Subsequent Review Fee is assessed for the review of the Final Stormwater Control Plan and any additional reviews needed.

Project Size	Initial Submittal	Subsequent Review
Small Project <25,000 gsf	$2,760	$1,770
Medium Project 25,000 – 250,000 gsf	$3,650	$2,210
Large Project >250,000 gsf	$4,830	$2,950

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0083

WHEREAS, The Public Utilities Commission adopted Resolution No. 16-0085 on May 10, 2016 establishing schedules of Retail Electric rates, fees, and charges applicable to Hetch Hetchy retail customers of the Power Enterprise; and

WHEREAS, Pursuant to the published notice of the intention of the Public Utilities Commission to consider a proposal to (1) Reduce the Returned Check and Pending Shutoff Notice Fees, and (2) Eliminate the New Account and Service Turn On Fees charged for customers of the SFPUC Power Enterprise, a public hearing was held on May 8, 2018 and members of the public were given an opportunity to express their views on the revised fees; and

WHEREAS, On April 23, 2018 the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) under Public Resources Code Section 21080(b)(8) and the CEQA Guidelines Section 15273; now therefore be it

RESOLVED, The Commission hereby approves elimination of the New Account Charge and the Turn-On Fee, effective on and after July 1, 2018; and be it

FURTHER RESOLVED, The Commission hereby approves the reduction of the Returned Check and Pending Shutoff Notice Fees as set forth in the attached schedule, effective on and after July 1, 2018; and be it

FURTHER RESOLVED, That the attached schedule of fees and charges shall remain in effect until repealed, modified, or superseded.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of May 8, 2018.

Donna Hood

Secretary, Public Utilities Commission

SCHEDULE OF FEES FOR MISCELLANEOUS POWER CHARGES

(Adopted May 8, 2018 by Commission Resolution No. 18-0083)

SCHEDULE M-1: Miscellaneous Power Charges

Applicable to residential, commercial and industrial customers as appropriate.

RETURN CHECK CHARGE $50.00

A return check charge shall be applied to any account whose check payment is returned due to insufficient funds, closed accounts or any other reason why the customer's bank did not honor the check. This charge will be made for every such occurrence.

PENDING SHUTOFF NOTICE FEE $50.00

Prior to shutting-off power service for non-payment or violation of SFPUC Rules and Regulations, a service shut off notice is posted on the customer's premises. This charge will be added to the amount owed for power service to cover the cost of this notice.

The Pending Shutoff Notice Fee and Returned Check Charge will not be adjusted from their current levels absent further action by the Public Utilities Commission. All other fees in Schedule M-1 will be automatically adjusted on July 1 of each subsequent year to reflect cost increases in accordance with the Consumer Price Index released by the Controller's Office of the City and County of San Francisco during each fiscal year.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, May 22, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of May 8, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Hetch Hetchy Capital Improvement Program Quarterly Report (How)
   c) Quarterly Audit and Performance Review Report (Sandler)
      i. City & County of San Francisco Basic Financial Statements and Single Audit Report, FY 2016-17
      ii. NERC CIP Compliance Monitoring, Self-Certification
      iii. Sewer System Improvement Program Planning & Pre-construction Activities Audit
      iv. Wholesale Revenue Requirement: Statement of Changes in Balancing Account, FY 2016-17
   d) Quarterly Budget Status Report (Sandler)
   e) New Employee Orientation Procedures (Kelly, Jr.)
   f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Bay Area Water Supply and Conservation Agency Update (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

9. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve the terms and conditions and authorize the General Manager to execute a **no-fee five-year revocable license to Pangea Environmental Services, Inc**., to use approximately 2,000 square feet of SFPUC Parcel No. 29 at 1000 El Camino Real in Millbrae, California to: (a) install four groundwater monitoring wells; (b) drill eight geotechnical borings for soil sample collection; and (c) operate and maintain five existing groundwater monitoring wells to assess potential residual contamination from a former leaking underground storage tank located at a gas station at 1009 El Camino Real, Millbrae, California. (Carlin)

180085

b) Approve the plans and specifications, and award **Contract No. WD-2692**, 16-Inch and 8-Inch Ductile Iron Water Main Installation, Sewer Replacement on Geary Boulevard From 32nd to 48th Avenues, in the amount of $9,245,821, to the lowest, qualified, responsible and responsive bidder, M Squared Construction, Inc. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (How)

180086

c) Accept work performed by Azul Works, Inc., for **Contract No. WD-2747**, Auxiliary Water Supply System - New Cisterns F; and approve Modification No. 4 (Final), decreasing the contract amount by $215,323 and increasing the contract duration by 180 consecutive calendar days (approximately six months), to reconcile final payment items to reflect actual quantities used under unit price and allowance bid items and to reflect actual contract time, for a total contract amount of $3,487,382, and a total contract duration of 610 consecutive calendar days (approximately one year and eight months); and authorize final payment to the contractor. (How)

180087

d) Approve an increase to the existing construction contract duration contingency in the amount of 60 consecutive calendar days (approximately two months) for **Contract No. WW-622**, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Pavement Renovation; and authorize the General Manager to approve future modifications to the contract duration of up to a total of 745 consecutive calendar days (approximately two years), with no change to contract amount. (How)

180088

e) Approve an increase to the construction contract duration contingency of 150 consecutive calendar days (approximately five months) to **Contract No. WW-653**, Marin Street Sewer Replacement; and authorize the General Manager to approve future modifications to the contract, for a total revised

180089

contract duration up to 491 consecutive calendar days (approximately one year and four months), with no change to the contract amount. (How)

REGULAR SESSION

10. Approve Amendment No. 1 to **Agreement No. CS-247[R]**, Customer and Administrative Services for Community Choice Aggregation Program with Calpine Energy Solutions LLC, for continued support of the CleanPowerSF program; and authorize the General Manager to execute this amendment, increasing the agreement amount by $14,030,000, for a total not-to-exceed agreement amount of $19,630,000, and extending the term of the agreement by three years, for a total agreement duration of six years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Hale)

180090

11. **Approve correction of an error in Schedule B of Wastewater Service Rates for FYE 2019 through FYE 2022**, adopted by the Commission on April 10, 2018 by Resolution No. 18-0054, to include a monthly service charge for nonresidential customers of the Wastewater Enterprise. The Approval Action of Wastewater Service Rates for FYE 2019 through FYE 2022 for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code, occurred on April 10, 2018. (Sandler)

180091

12. Public comment on matters to be addressed during Closed Session

13. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following item(s):

14. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(1) and San Francisco Administrative Code Section 67.10 (d)(1) (Sheinfield)

Existing Litigation
David Alfaro, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-15-547492
Date Filed: August 20, 2017
Proposed partial settlement of action as to the property damage claim of Malcolm Davis, one of numerous plaintiffs; several co-plaintiffs remaining in litigation.
Proposed Settlement amount: $28,000

180092

15. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(1) and San Francisco Administrative Code Section 67.10 (d)(1) (Lakritz)

180093

Existing Litigation
John H. Aspelin, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-556207
Date Filed: December 29, 2016
Proposed Settlement of action with plaintiff's release of all claims and the City to pay plaintiff amount: $199,353

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

17. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

22. Announcement following Closed Session

23. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

24. Other New Business (discussion only)

25. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, May 22, 2018
(Approved June 12, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:37 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen, and Moran
   Excused: Vietor

   President Kwon announced that Closed Session items 16 through 21 would not be heard.

3. Approval of the Minutes of May 8, 2018
   On Motion to approve the Minutes of May 8, 2018:
   Ayes: Kwon, Courtney, Caen, and Moran

   No public comment.

4. General Public Comment
   - *Chris Shutes. California Sport Fishing Protection Alliance, discussed an amendment to the Appropriations Bill as offered by Mr. Valadao of California, restricting funds as related to sections 10 and 18 of the Federal Power Act as related to the Don Pedro and La Grange hydroelectric projects along the Tuolumne River. He stated a letter in opposition was submitted to the subcommittee. Copies of the amendment and letter were provided to the Commission Secretary. He asked that the Commission prepare a resolution in opposition to the amendment and the item be agendize.*
   - *Peter Drekmeier, Tuolumne River Trust, discussed the proposed amendment. He reviewed a study regarding San Franciscans' opinion of the environment and their support for water diversification for environmental support. He asked that the Commission prepare a resolution in opposition to the amendment and the item be agendize.*
   - *Cindy Charles, Golden West Women Fly Fishers, discussed her participation in the Don Pedro and LaGrange relicensing and the proposed amendment. She expressed opposition to the proposed amendment and asked that the Commission prepare a resolution in opposition to the amendment and the item be agendize.*
   - *Ann Clark, Friends of Camp Mather, thanked Commission for their work related to Camp Mather. She expressed appreciation for the opportunity to have John O'Connell students at the Camp. She stated the Camp Mather friends and family event will be held on September 26th. She complemented SFPUC water inspector Matthew J. Brady for his professionalism during a visit to her home to inspect for leaks.*

     Ms. Clark responded to a question from Commissioner Caen regarding the opening date for Camp Mather.

   - *Barry Nelson, Golden Gate Salmon Association, discussed the proposed amendment. He reviewed the Salmon Association's role and noted the importance of the Bay Delta for the salmon industry and the need for salmon*

protection and management. He asked that the Commission prepare a resolution in opposition to the amendment and the item be agendize.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Conditions Update

   Steve Ritchie, Assistant General Manager (AGM) Water, responded to a question from Commissioner Caen regarding the snow pack levels, indicating the system will fill with the run-off and that the water bank is full.

   No public comment.

6. Other Commission Business

   Commissioner Caen read from an April 17, 2018 San Francisco Chronicle article regarding the 1958 Giants debut. The article noted the Commission covered 29 items in less than an hour so Commissioners could attend the game.

   Vice President (VP) Courtney) thanked staff and all involved with the Golden Pride Award ceremony and he complemented the good quality of the video production.

   No public comment.

7. Report of the General Manager (GM)
   a) CleanPowerSF (CPSF) Update

   Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment: Serving 81,000 accounts; 3.2% opt-out rate; 4.2% SuperGreen upgrade rate; July enrollment notices being mailed which will increase the customer count to approximately 105,000, with the addition of mostly commercial accounts; (2) Regulatory: Exit Fee hearings at the California PUC (CPUC) have concluded and SFPUC is working with the City Attorney and trade association on the preparation of a brief which is due in June. Proposed decision to be published for comment is anticipated in August; and (3) Customer Choice Report: Report (Green Book) has been published. SFPUC staff will meet with CPUC staff to discuss the report.

   No public comment.

   b) Hetch Hetchy Capital Improvement Program (CIP) Quarterly Report

   Dan Wade, Director, Water Capital Projects and Programs, provided the Hetch Hetchy Water Enterprise CIP quarterly report: (1) March 22, 2018 storm event at Moccasin with review of post-event actions; (2) Next steps; (3) Mountain Tunnel interim repairs; (4) Mountain Tunnel rehabilitation; (5) New shops and office at Moccasin; and (6) Moccasin Penstock rehabilitation cancelled due to the Moccasin emergency.

Director Wade responded to a question from Commissioner Moran as to the meaning of "interim" repairs at Mountain Tunnel. GM Kelly provided additional response.

No public comment.

c) Quarterly Audit and Performance Review Report

i. City & County of San Francisco Basic Financial Statements and Single Audit Report, FY 2016-17

ii. NERC CIP Compliance Monitoring, Self-Certification

iii. Sewer System Improvement Program Planning & Pre-construction Activities Audit

iv. Wholesale Revenue Requirement: Statement of Changes in Balancing Account, FY 2016-17

Nancy Hom, Deputy Chief Financial Officer (CFO), presented the quarterly Audit and Performance Review Report. She indicated there have been 37 audits and assessments year-to-date, with 16 completed, 12 in-progress, and nine upcoming. She noted the four audits listed above have been completed. Deputy CFO Hom reviewed the Sewer System Improvement Program (SSIP) planning and pre-construction activities audit highlights, audit objectives, recommendation summary, and conclusions.

She discussed the completed performance audits (Citywide Fleet Management Audit and the Annual Physical Inventory Count, FY 2016-17), and upcoming audits. Ms. Hom concluded with a review of prior years open City Services audits and recommendations (15 total with three open and 12 closed, for a completion rate of 80%).

Commissioner Moran questioned the reasons for prior year audits still being open. Ms. Hom explained that other agencies are determined be the lead and are responsible for the of audit recommendations and resolution. She explained the SFPUC's specific responsibility for response for those audits.

Commissioner Moran reminded Ms. Hom of the Commission's request that open audits should be closed within six months, and if that was unlikely, a schedule of objectives and a timeline for response should be established and brought to the Commission for approval. He noted the current reporting is good, but follow-up needs to be implemented to ensure closure.

Deputy CFO Hom responded to a question from Commissioner Moran regarding the status of previously reported Inventory Count/Control Audit which indicated the need for a subsequent review of residual issues and the need for the development and implementation of information system tracking in Maximo. Ms. Hom indicated she will look at the recommendations and report back.

Commissioner Moran discussed the importance of the SSIP audit so that customers know the program is properly managed. He mentioned the Wholesale Revenue Requirement report, specifically the review of analysis report and the inadvertent charge to water for power items. Ms. Hom briefly discussed the review analysis.

No public comment.

d) Quarterly Budget Status Report

Eric Sandler, AGM Business Services and CFO, stated there are positive net results projected for all operations. He reviewed the following: (1) Observations: Water and Wastewater, and CleanPowerSF higher revenues; Power lower revenues as compared to budget; Financial results meet policy targets for coverage and reserves; (2) FY 2018 Water budgetary variances increased water sales revenues and cost savings: Sources $51.2M or 10.2% higher revenues due to increased water sales; Uses $1.6M or 0.3% savings from general reserves; (3) FY 2018 Wastewater budgetary variances increased wastewater revenues and cost savings: Sources $10.3M or 3.4% higher revenues due to billed volumes; Uses $46.5M or 15.1% savings from general reserves and reduced expenses; (4) FY 2018 Power budgetary variances reduced power sales revenue offset by cost savings: Sources $(19.3M) or 9.8% lower than budget due to lower power sales; Uses $26.0M or 12.85% savings from reduced expenses; (5) FY 2018 CleanPowerSF budgetary variances sales revenues above budget and use cost savings; Sources $0.5M or 1.2% higher; Uses: $1.0M savings from reduced expenses; and (6) Key Financial Ratios: fund balance reserve (25%-68% of annual operating uses); debt service coverage reserve; and CleanPowerSF reserve target is projected to be met.

Commissioner Moran noted the retail water revenue surplus. He asked if there are any funding opportunities available for water conservation capital and/or incentive programs. CFO Sandler stated staff will review opportunities and report back via memo on findings.

No public comment.

e) New Employee Orientation Procedures

GM Kelly mentioned Assembly Bill (AB) 119 which impacts new employee orientation (NEO) and union access. GM Kelly introduced Cindy Charan, Director of SFPUC Human Resources, who provided context on AB 119, discussed the outcome of citywide negotiations, and reviewed enhancements to the SFPUC NEO. She noted unions will now be allowed 30 minutes access during NEO (expanded from 10 minutes). She discussed two changes included in AB 119: (1) 10 business day notice to the unions of the NEO; and (2) Providing the union with employee name, job title, department, work location information, home, work and personal cell phone information, and personal email.

Director Charan outlined additional steps the SFPUC will take with union partners regarding NEO: (1) NEO calendar invitations sent to union representatives, with relative information and documents included; and (2) Creation of form for employees identifying employee's union organization, union representative contact information, and weblink to union's homepage.

VP Courtney thanked Director Charan, her staff, and the City Attorney for their work. He provided comments regarding AB 119, the importance of the NEO improved practices, and the need to share SFPUC practices with other city departments.

No public comment.

f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
GM Kelly thanked staff for the organization of the Golden Pride Award event. He asked the Commission for feedback for possible improvement.

No public comment.

8. Bay Area Water Supply and Conservation Agency (BAWSCA) Update
Nicole Sandkulla, BAWSCA CEO, provided her monthly update: (1) Making conservation a way of life: AB 1668 and SB 606 companion bills for long term water use targets for water suppliers; (2) Strategic Plan Goals: Access capabilities, state policy, and inform BAWSCA work plan; (3) Elements of Key Concern: Outdoor water use, commercial and industrial water use, and water loss; and (4) BAWSCA FY 2018-19 Work Plan: Actions to support compliance with legislative requirements

CEO Sandkulla indicated BAWSCA's March 2018 total potable water use was 21% less than during March 2013.

No public comment.

9. *Consent Calendar:*
a) Approve the terms and conditions and authorize the General Manager to execute a no-fee five-year revocable license to Pangea Environmental Services, Inc., to use approximately 2,000 square feet of SFPUC Parcel No. 29 at 1000 El Camino Real in Millbrae, California to: (a) install four groundwater monitoring wells; (b) drill eight geotechnical borings for soil sample collection; and (c) operate and maintain five existing groundwater monitoring wells to assess potential residual contamination from a former leaking underground storage tank located at a gas station at 1009 El Camino Real, Millbrae, California. (Resolution 18-0085)

b) Approve the plans and specifications, and award Contract No. WD-2692, 16-Inch and 8-Inch Ductile Iron Water Main Installation, Sewer Replacement on Geary Boulevard From 32nd to 48th Avenues, in the amount of $9,245,821, to the lowest, qualified, responsible and responsive bidder, M

Squared Construction, Inc. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04 (h) of the San Francisco Administrative Code. (Resolution 18-0086)

c) Accept work performed by Azul Works, Inc., for Contract No. WD-2747, Auxiliary Water Supply System - New Cisterns F; and approve Modification No. 4 (Final), decreasing the contract amount by $215,323 and increasing the contract duration by 180 consecutive calendar days, to reconcile final payment items to reflect actual quantities used under unit price and allowance bid items and to reflect actual contract time, for a total contract amount of $3,487,382, and a total contract duration of 610 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0087)

d) Approve an increase to the existing construction contract duration contingency in the amount of 60 consecutive calendar days for Contract No. WW-622, Haight-Ashbury/Tenderloin/ Diamond Heights Districts Sewer Replacement and Pavement Renovation; and authorize the General Manager to approve future modifications to the contract duration of up to a total of 745 consecutive calendar days, with no change to contract amount. (Resolution 18-0088)

e) Approve an increase to the construction contract duration contingency of 150 consecutive calendar days to Contract No. WW-653, Marin Street Sewer Replacement; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration up to 491 consecutive calendar days, with no change to the contract amount. (Resolution 18-0089)

No public comment.

On Motion to approve the Consent Calendar:
Ayes: Kwon, Courtney, Caen, and Moran

10. Approve Amendment No. 1 to Agreement No. CS-247[R], Customer and Administrative Services for Community Choice Aggregation Program with Calpine Energy Solutions LLC, for continued support of the CleanPowerSF program; and authorize the General Manager to execute this amendment, increasing the agreement amount by $14,030,000, for a total not-to-exceed agreement amount of $19,630,000, and extending the term of the agreement by three years, for a total agreement duration of six years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0090)

No public comment.

On Motion to approve Item 10:
Ayes: Kwon, Courtney, Caen, and Moran

11. Public Hearing: Approve correction of an error in Schedule B of Wastewater Service Rates for FYE 2019 through FYE 2022, adopted by the Commission on April 10, 2018 by Resolution No. 18-0054, to include a monthly service charge for nonresidential customers of the Wastewater Enterprise. The Approval Action of Wastewater Service Rates for FYE 2019 through FYE 2022 for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code, occurred on April 10, 2018. (Resolution 18-0091)

No public comment.

On Motion to approve Item 11:
Ayes: Kwon, Courtney, Caen, and Moran

The Commission Secretary read Closed Session items 14 and 15, and stated items 16 through 21 would not be heard.

12. Public comment on matters to be addressed during Closed Session
None.

13. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert:
Ayes: Kwon, Courtney, Caen, and Moran

No public comment.

The Commission entered Closed Session at 2:59 PM.

14. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(1) and San Francisco Administrative Code Section 67.10 (d)(1)
Existing Litigation
David Alfaro, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-15-547492
Date Filed: August 20, 2017
Claim of Malcom Davis
Proposed settlement of action as to property claim of one of numerous plaintiffs; several co-plaintiffs remaining in litigation.
Proposed Settlement amount: $28,000
(Resolution 18-0092)

15. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d)(1) and San Francisco Administrative Code Section 67.10 (d)(1)
Existing Litigation
John H. Aspelin, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-556207

Date Filed: December 29, 2016
Proposed Settlement amount: $199,535
(Resolution 18-0093)

16. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

17. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:

Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

The Commission exited Closed Session at 3:02 PM.

22. Announcement following Closed Session
None.

23. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

On Motion not to disclose:
Ayes: Kwon, Courtney, Caen, and Moran

No public comment.

24. Other New Business
None.

25. Adjournment
President Kwon adjourned the meeting at 3:02 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0085**

WHEREAS, The City and County of San Francisco (City) owns certain real property under the jurisdiction of the San Francisco Public Utilities Commission (SFPUC) designated as a portion of SFPUC Parcel No. 29 and commonly known as 1000 El Camino Real in Millbrae, California (SFPUC Parcel); and

WHEREAS, The SFPUC Water Enterprise's Millbrae Yard facility occupies a portion of the SFPUC Parcel; and

WHEREAS, Several years ago, the gasoline station operator of Rob Baker's Olympic, located at 1009 El Camino Real in Millbrae (Gas Station), engaged Pangea Environmental Services, Inc. (Licensee) to assist with the monitoring of a potential migration of a residual gasoline additive, MTBE plume, associated with a former leaking underground storage tank (LUST) located under the Gas Station; and

WHEREAS, The current investigation shows that the MTBE plume extends into the shallow groundwater within and in the vicinity of the Gas Station. Contamination from a fuel release to soils and groundwater from the Gas Station has been under investigation and remediation since 1999. The Gas Station is regulated under the San Mateo County's Groundwater Protection Program (SMC-GPP) and per the California State Water Resources Control Board Geotracker site, the LUST cleanup status is noted as "Open-Assessment & Interim Remedial Action" (Regional Board Case No. 41-4055 or San Mateo County Case No. 990026); and

WHEREAS, The SFPUC previously issued a no-fee revocable permit dated November 1, 2007 (Original Permit) which authorized Licensee to drill four borings and install one monitoring well on a portion of the Millbrae Yard (Original Permit Area) to evaluate subsurface conditions related to the environmental investigation of the fuel release; and

WHEREAS, Licensee performed the four borings in February of 2008 but did not install the monitoring well. Licensee drilled an additional four borings in August 2009. In 2011, Licensee installed five monitoring wells on the Original Permit Area to further evaluate subsurface conditions; and

WHEREAS, The Original Permit is expired; and

WHEREAS, SMC-GPP requires further investigation of the Millbrae Yard for potential remediation to address concerns associated with potential drinking water impacts. As part of the proposed project, Licensee now proposes to drill eight new borings for soil sampling, and install and maintain four new groundwater monitoring wells on the Premises to monitor potential environmental impacts; and

WHEREAS, Licensee desires to obtain a new no-fee five-year revocable license (License) to (a) install four groundwater monitoring wells, (b) drill eight geotechnical borings for the collection of soil samples and (c) to operate and maintain five existing groundwater monitoring wells to assess the hydrogeology for any potential residual contamination from a former leaking underground storage tank on approximately 2,000 square feet of SFPUC Parcel No. 29; and

WHEREAS, The License requires that Licensee to provide the SFPUC with all past and future testing results, and the testing results will provide the SFPUC with critical information to protect the SFPUC's groundwater well station near the Premises; and

WHEREAS, The SFPUC desires to enter into the License; and

WHEREAS, The SFPUC adopted the 2015 Real Estate Guidelines on January 30, 2015, providing that the SFPUC may issue a no-use fee license if the license benefits the SFPUC's primary utility purpose, among other criteria; and

WHEREAS, The proposed License may be issued as no-fee revocable license for the following reasons: (i) Licensee is testing for potential groundwater contamination and such testing results will provide the SFPUC with critical information to protect the SFPUC's groundwater well station near the Premises; (ii) the Premises have little or no revenue-generating potential; (iii) Licensee will maintain and repair the Premises at its sole cost; (iv) no other party desires to use the Premises; and (v) the Premises will not be used for any of the Restricted Uses defined in the 2015 Real Estate Guidelines; and

WHEREAS, The SFPUC is a Responsible Agency under the California Environmental Quality Act (CEQA) for the project because issuance of the revocable license is a discretionary action that requires review and consideration under CEQA. On September 29, 2017, the County of San Mateo Health System, acting as the lead agency for CEQA under the Groundwater Protection Program, determined that the project is categorically exempt under the CEQA Guidelines Section 15308 (Actions by Regulatory Agencies for Protection of the Environment) and on December 18, 2017, the City of Millbrae issued a Notice of Exemption (NOE) for the project; and

WHEREAS, As a Responsible Agency, the SFPUC finds that: (1) SFPUC has reviewed the Project description, the categorical exemption issued by the County of San Mateo Health System and the Notice of Exemption (NOE) issued by the City of Millbrae and (2) the SFPUC has determined that issuance of the 5-year revocable license is within the scope of the County of San Mateo's Health System's CEQA determination, and that this document is adequate for SFPUC's use in approving the revocable license for the Project. The categorical exemption and the NOE are part of the record of this approval and are available for public review at the SFPUC offices, Real Estate Services Division, 525 Golden Gate Avenue, 8th floor, San Francisco, California, which is the custodian of records for the revocable license approval; and (3) the County of San Mateo Health System did not adopt mitigation measures for the Project. The SFPUC has no direct authority or responsibility with respect to the Project other than the Project Sponsor's request and SFPUC's authorization to approve the revocable license; now, therefore, be it

RESOLVED, This Commission has reviewed and considered the information in the categorical exemption and the Notice of Exemption and the record as a whole, finds that the categorical exemption and the Notice of Exemption are adequate for its use as the decision-making body for the action taken herein; and be it

FURTHER RESOLVED, This Commission further finds that since the categorical exemption and the Notice of Exemption were finalized, there have been no project changes and no substantial changes in project circumstances that would require changes to the determinations of the County of San Mateo Health System or the City of Millbrae due to the involvement of any significant environmental effects, and there is no new information of substantial importance that would change the conclusions set forth in the categorical exemption and the Notice of Exemption; and be it,

FURTHER RESOLVED, That this Commission hereby ratifies, approves and authorizes all actions heretofore taken by any City official in connection with this License; and, be it

FURTHER RESOLVED, That this Commission hereby approves the terms and conditions of the License; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the SFPUC General Manager to execute the License; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager to enter into any amendments or modifications to this License, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interest of the City; do not materially increase the obligations or liabilities of the City; are necessary or advisable to effectuate the purposes and intent of the License or this resolution; and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0086**

WHEREAS, Water Enterprise, Local Conveyance/Distribution System Program funded Contract No. WD-2692, 16-Inch and 8-Inch Ductile Iron Water Main Installation, Sewer Replacement on Geary Boulevard from 32nd to 48th Avenues was advertised on February 15, 2018; and

WHEREAS, The Engineer's Estimate is $8,000,000 for this construction contract work to install approximately 13,300 feet of ductile iron pipe and ancillary water service pipe, 1,500 feet of vitrified clay sewer pipe, curb ramps, bus pads, and pavement restoration work; and

WHEREAS, The contract duration is 745 consecutive calendar days; and

WHEREAS, On July 10, 2017 the Planning Department determined that the water portion of the proposed project is categorically exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15302, Class 2 (Replacement or Reconstruction) and on January 3, 2018 the Planning Department determined that the sewer portion of the proposed project is statutorily exempt under CEQA Guidelines section 15282(k); and and

WHEREAS, Six (6) bids were received and opened publicly on March 22, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of M Squared Construction, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this contract, and the contractor committed to a LBE subcontracting participation of 20.98% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CUW2600191, WD-2692, 16-Inch and 8-Inch Ductile Iron Water Main Installation and Sewer Replacement on Geary Boulevard from 32nd to 48th Avenue; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Water Enterprise Local Conveyance/Distribution System Program funded Contract No. WD-2692, 16-Inch and 8-Inch Ductile Iron Water Main Installation, Sewer Replacement on Geary Boulevard from 32nd to 48th Avenues, in the amount of $9,245,821, for a duration of 745 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, M Squared Construction, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0087**

WHEREAS, Construction has been completed for Earthquake Safety & Emergency Response Bond Program funded Contract No. WD-2747, Auxiliary Water Supply System - New Cisterns F, by the contractor, Azul Works, Inc.; and

WHEREAS, On January 12, 2016, by Resolution No. 16-0005, this Commission awarded Contract No. WD-2747, Auxiliary Water Supply System - New Cisterns F, to the lowest, qualified responsible and responsive bidder, Azul Works, Inc.; and

WHEREAS The contract Notice-to-Proceed date was April 18, 2016; and

WHEREAS The original contract amount was for $3,660,225, and the original contract duration was 430 consecutive calendar days; and

WHEREAS, Modification Nos. 1-3 were issued in the amount of $42,480 to address various changes including demolition of a sewer manhole and additional utilities support work, increasing the contract amount to $3,702,705; and

WHEREAS, On February 13, 2018, per Resolution No. 18-0020 this Commission approved a duration contingency increase of 150 days to account for utility relocation delays, unforeseen field conditions, and weather delays, increasing the contract duration contingency to 193 days, and increasing the total contract duration limit to 623 consecutive calendar days; and

WHEREAS, Modification No. 4 (Final) is being requested to reduce the amount of the contract by $215,323, with an increase to the contract duration in the amount of 180 consecutive calendar days to reconcile final payment items to reflect actual quantities used under unit price and allowance bid items and to reflect actual contract time, decreasing the total contract amount to $3,487,382 and increasing the total contract duration to 610 consecutive calendar days (Modification No. 4 does not increase the contract duration in excess of the previously approved contract duration limit approved in Resolution No. 18-0020); and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 13% for this contract and the contractor committed to a LBE of 29.21% with its bid submittal; CMD has determined that the contractor has complied with the subcontracting goal by achieving a final LBE participation of 33.65%; and

WHEREAS, Funds are available from Project No. CUWAWSAW07 (Project ID - 10029712), New Cisterns; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Azul Works, Inc. for Earthquake Safety & Emergency Response Bond Program funded Contract No. WD-2747, Auxiliary Water Supply System - New Cisterns F; approves Modification No. 4 (Final), decreasing the contract amount by $215,323, and increasing the contract duration by 180 consecutive calendar days, for a total contract amount of $3,487,382, with a total contract duration of 610 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0088**

WHEREAS, On June 14, 2016, per Resolution No. 06-0114, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) and Public Works (PW) Pavement Renovation Program funded Contract No., WW-622, Haight-Ashbury/Tenderloin/Diamond Heights Sewer Replacement and Pavement Renovation to Hernandez Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for September 6, 2016; and

WHEREAS, The original contract amount was for $4,286,775 and the original contract duration was 360 consecutive calendar days; and

WHEREAS, On September 12, 2017, per Resolution No. 17-0190, this Commission approved an increase in the construction duration contingency in the amount of 164 consecutive calendar days thereby increasing the total contract duration limit to 560 consecutive calendar days, with no change in contract amount; and

WHEREAS, On April 24, 2018, per Resolution No. 18-0067, this Commission approved an increase in the contract cost contingency in the amount of $352,032 and an increase in the construction duration contingency in the amount of 125 consecutive calendar days, thereby increasing the total contract amount limit to $5,067,485 and the total contract duration limit to 685 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, An additional increase in the contract duration contingency in the amount of 60 consecutive calendar days is requested for additional time needed to coordinate the transportation and disposal of hazardous soils excavated on Delancey Street from Brannan Street to Federal Street; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 20.42% with its bid submittal; and

WHEREAS, Funds are available from San Francisco Public Utilities Commission WWE, R&R Project No. 10015663 Haight-Ashbury/Tenderloin/Diamond Heights Sewer Replacement and PW Project No. 10002463 Haight-Ashbury/Tenderloin/Diamond Heights Pavement Renovation; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the contract duration contingency in the amount of 60 consecutive calendar days for WWE, R&R and PW Pavement Renovation Program funded Contract No. WW-622, Haight-Ashbury/Tenderloin/Diamond Heights Districts Sewer Replacement and Pavement Renovation; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve future modifications to the contract duration up to 745 consecutive calendar days, with no change in the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0089**

WHEREAS, On February 28, 2017, per Resolution No. 17-0037, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-653, Marin Street Sewer Replacement, to Ranger Pipelines, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was April 17, 2017; and

WHEREAS, The original contract amount was for $4,860,250 and the original contract duration was 310 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase to contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, An increase in the contract duration contingency in the amount of 150 consecutive calendar days is requested for additional time to negotiate change order requests being disputed between the Contractor and project Construction Management team; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting participation requirement of 20% for this contract, and the contractor committed to a LBE subcontracting participation of 22.60% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWSIPCSPS05, Marin Street Sewer Replacement; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the contract duration contingency in the amount of 150 consecutive calendar days for WWE, SSIP funded Contract No. WW-653, Marin Street Sewer Replacement, with Ranger Pipeline, Inc., for a total contract duration contingency of 181 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract duration up to 491 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0090**

WHEREAS, On August 11, 2015, per Resolution No. 15-0175, this Commission awarded Agreement No. CS-247[R], Customer and Administrative Services for Community Choice Aggregation Program, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in the amount of $5,600,000 and with a term of three years, concluding on October 31, 2018, with Noble Americas Energy Solutions LLC, to provide meter data management, billing, and customer care services for CleanPowerSF, a community choice aggregation program; and

WHEREAS, Agreement No. CS-247[R] provided the City the option to extend the contract for three years at the City's sole and absolute discretion;

WHEREAS, On January 24, 2017, this Commission approved the assignment and assumption of Agreement No. CS-247[R] from Noble Americas Energy Solutions LLC to Calpine Energy Solutions LLC (hereinafter "Calpine"); and

WHEREAS, Calpine is currently performing services that are needed to continue providing meter data management, billing, and customer care services for CleanPowerSF. The project team has concluded that Calpine is the only consultant that could readily perform these services without causing severe disruption to the continued operation of the program; moreover, background resources required to complete these services would be lost if the City was required to competitively procure the contract again; and

WHEREAS, Amendment No. 1 would increase the cost by $14,030,000, increasing the total not-to-exceed agreement amount to $19,630,000, and extend the term of the agreement by three years to October 31, 2021, for a total agreement duration of six years, for continued support of the CleanPowerSF program; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 5% Local Business Enterprise (LBE) participation for this agreement; and

WHEREAS, Funds for this agreement are available from CleanPowerSF revenues; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. CS-247[R], Customer and Administrative Services for Community Choice Aggregation Program, and authorizes the General Manager of the SFPUC to submit the agreement to the Board of Supervisors for approval pursuant to Charter Section 9.118, and on Board of Supervisors' approval to execute this amendment increasing the amount of the agreement by $14,030,000, for a total not-to-exceed agreement amount of $19,630,000, and extending the term by three years, for a total agreement duration of six years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0091

WHEREAS, On April 10, 2018, by Resolution No. 18-0054, this Commission adopted the new four-year schedule of rates for wastewater service in San Francisco, to take effect on or after July 1, 2018; and

WHEREAS, Both the April 10, 2018 Commission staff report on the proposed new wastewater rates and the Proposition 218 Notice mailed to all wastewater account holders included a new fixed monthly service charge to be imposed on both residential and nonresidential wastewater customers starting July 1, 2018; and

WHEREAS, Schedule A of the Wastewater Service Rates schedules, attached to Resolution No. 18-0054, properly included the fixed monthly service charge for residential customers, but staff inadvertently failed to include the same fixed monthly service charge for nonresidential customers in Schedule B, which was also attached to Resolution No. 18-0054; and

WHEREAS, SFPUC staff seeks the Commission's approval to correct Schedule B of the Wastewater Service Rates for FYE 2019 through FYE 2022 to include the previously proposed fixed monthly service charge for nonresidential customers to take effect July 1, 2018; and

WHEREAS, On March 26, 2018, the Planning Department determined that the adoption of wastewater rates by this Commission is statutorily exempt from the California Environmental Quality Act (CEQA) under Section 21080(b)(8) and CEQA Guidelines Section 15273 and this action is a clarification of this Commission's approval action on April 10, 2018 in Resolution No. 18-0054; now, therefore, be it

RESOLVED, That this Commission hereby approves correcting Schedule B of the Wastewater Service Rates attached to Resolution No. 18-0054, adopted by the Commission on April 10, 2018, to include a fixed monthly service charge, effective on or after July 1, 2018, in the following amounts: $0.98 in FYE 19, $2.19 in FYE 20, $3.60 in FYE 21, and $5.21 in FYE 22; and be it

FURTHER RESOLVED, That the fixed monthly service fee in corrected Schedule B shall remain in effect until repealed, modified or superseded.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of May 22, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, June 12, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of May 22, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Multi-Enterprise Climate Committee Update
   e) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Sewer System Improvement Program Quarterly Update (How)
   c) Wastewater Capital Improvement Program Quarterly Report (How)
   d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Recognition of Tracy Yamaguchi upon her retirement after 27 years of distinguished service to the SFPUC (discussion only) (Kelly, Jr.)

9. Green Infrastructure Early Implementation Projects: Monitoring and Lessons Learned (discussion only) (Henderson)

10. Update on federal legislation and appropriations relevant to SFPUC operations including the Water Infrastructure Finance and Innovation Act program, State Revolving Funds, Ocean Beach Replenishment, Workforce Development, and Federal Energy Regulatory Commission Proceedings (discussion only) (Ellis)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

11. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Modification No. 1 to **Job Order Contract (JOC), JOC- 51**, Heating Ventilation Air Conditioning (HVAC) Energy Efficiency (C-20 License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with EMCOR/Mesa Energy Systems, Inc., to perform HVAC and energy efficiency mechanical upgrades in City-owned municipal facilities, increasing the contract by $2,500,000 for a total contract amount of $7,500,000, and increasing the duration by one year for a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Ch. 6.62. Job Order Contracts (f) and (g). (How)

180094

b) Accept work performed by D'Arcy & Harty Construction for **Contract No. WW-603**, As-Needed Main Sewer Replacement, for a total contract amount of $3,843,339 and a total duration of 760 consecutive calendar days (approximately two years, one month), and authorize final payment to the contractor. (How)

180095

c) Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days (three months) to **Contract No. WW-625**, Oceanside Water Pollution Control Plant Flare Control and Stack Upgrade; and authorize the General Manager to approve future modifications to the contract duration up to a total of 750 consecutive calendar days (approximately two years, one month), with no change to the contract amount. (How)

180096

d) Approve an increase to the existing construction contract duration contingency of 134 consecutive calendar days (approximately four months) to **Contract No. WW-633**, Various Locations Sewer Replacement No. 2; and authorize the General Manager to approve future modifications to the contract duration for a total revised contract duration up to 640 consecutive calendar days (approximately one year, eight months), with no change to contract amount. (How)

180097

REGULAR SESSION

12. Authorize the General Manager to execute a **Conditional Land Disposition and Acquisition Agreement** by and between the City and County of San Francisco (City), acting through its Public Utilities Commission and 2000 Marin Property, L.P. (Developer), providing for the City's future transfer of real property at 639 Bryant Street (Block 3777, Lot 052) in exchange for acquiring 2000 Marin Street (Block 4346, Lot 002), and including the Developer reimbursing the SFPUC for certain costs, with closing conditioned on several factors including

Removed from Calendar

the City's discretionary approval after completion of environmental review, subject to approval by the Board of Supervisors; adopt a finding declaring 639 Bryant Street surplus to SFPUC's utility needs, conditioned upon and effective upon the date of close of escrow on the proposed land exchange transaction. (Carlin)

13. Approve **Amendment No. 1 to CS-1048(G)**, Grant Agreement with the San Francisco Unified School District to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School; and authorize the General Manager to execute this amendment, increasing the grant amount by 180098 $180,000 for a total amount of $708,000, with no change in the agreement duration. (Henderson)

14. Approve the selection of and award **Grant Agreement No. PRO.0075** to Chinatown Community Development Center (CCDC) to implement the Sustainable Chinatown Initiative Pilot Project to coordinate outreach with City agencies and community stakeholders on development and implementation of 180099 green infrastructure, non-potable reuse, and energy efficiency projects in Chinatown; and authorize the General Manager to negotiate and execute a grant agreement with CCDC for an amount not-to-exceed $180,000, and with a total duration of two years. (Henderson)

15. Approve the plans and specifications, and award **Contract No. WW-656**, As-Needed Spot Sewer Replacement No. 37, for a total contract amount not-to-exceed $8,198,256, and with a duration of 400 consecutive calendar days (approximately one year, one month), to J. Flores Construction Company, Inc., 180100 to replace sections of existing sewer piping, on an as-needed basis, at locations to be determined throughout the City of San Francisco; and authorize the General Manager to negotiate and execute a contract for an amount not-to-exceed $8,198,256 with the sole qualified, responsible and responsive bidder, J. Flores Construction Company, Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2). (How)

16. Approve **Amendment No. 1 to Agreement No. 1000000172**, As-Needed Technical Services Agreement with Aclara Technologies LLC, to procure proprietary hardware consisting of Meter Transmission and Data Collector Units; 180101 and authorize the General Manager to execute this amendment, increasing the agreement by $2,349,857 for a total contract not-to-exceed amount of $2,915,857, and with a time extension of three additional years, through December 31, 2023, for a total contract duration of eight years. (How)

17. Approve three **Resource Adequacy (RA) contracts** for CleanPowerSF 180102 executed by the General Manager between the San Francisco Public Utilities Commission and Pacific Gas & Electric Company, with a combined term of two years and five months, and total costs of $13.7 million; and authorize the General Manager to seek retroactive approval from the Board of Supervisors for the three RA contracts. (Hale)

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

19. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (Lakritz)

Existing Litigation
Pacific Bell Tel. Col, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-554661
180103 *Date Filed: October 4, 2016*
Proposed Settlement of action with plaintiff's release of all claims and the city to pay plaintiff in the amount of: $852,057.22

20. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and (e) (3), and San Francisco Administrative Code Section 67.10 (d) (1) (Simpson)

Existing Litigation
Charleen Maghzi, individually and as trustee of the Maghzi Family Marital Trust
180104 *v. The City and County of San Francisco*
San Francisco Superior Court Case No.: CGC-18-563778
Date Filed: January 26, 2018
Proposed settlement of action with plaintiff's release of all claims and the City to pay plaintiff $1,427,637.59

21. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and (e) (3), and San Francisco Administrative Code Section 67.10 (d) (1) (Rosenblit)

180105

Existing Litigation
Isabel Rodriguez-Alba v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-15-548917
Date Filed: October 10, 2015
Proposed settlement of action with plaintiff's release of all claims and the City to pay plaintiff $55,000

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Milstein)

Existing Litigation
Restore Hetch Hetchy v City and County of San Francisco
California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
City Law No.: 151139 / Date Filed July 12, 2016

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:

Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

25. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

26. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

27. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

28. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

    Existing Litigation:
    City and County of San Francisco v. Pacific Gas & Electric
    Federal Energy Regulatory Commission
    Complaint under Sections 206 and 306 of the Federal Power Act.
    Case No.: EL15-3-000/Date Filed: October 9, 2014

29. Announcement following Closed Session

30. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

31. Other New Business (discussion only)

32. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, June 12, 2018
(Approved June 26, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:31 PM.

2. Roll Call
   Present: Kwon, Courtney, Vietor, and Moran
   Excused: Caen

3. Approval of the Minutes of May 22, 2018
   On Motion to approve the Minutes of May 22, 2018:
   Ayes: Kwon, Courtney, Vietor, and Moran

   No public comment.

   President Kwon announced that item 12 was pulled from the calendar and will be rescheduled.

4. General Public Comment
   - *Francisco DaCosta discussed investigations he is undertaking regarding community benefits. He indicated Commissioners did not attend task force meetings. He stated grants need to be monitored to see who is getting funds and how much.*

   Vice President (VP) Courtney replied to Mr. DaCosta's statement that the Commission did not attending task force meetings. He indicated he was unaware of those meetings and asked that staff notify the Commission of such meetings.

   - *Nicole Sandkulla, BAWSCA, commented on the WSIP changes and noted BAWSCA's previous request for an accounting of actual financing costs prior to any budget adjustments. She addressed the WSIP budget adjustment adopted in April and stated that the SFPUC requested an extension to June 1st to provide the accounting report to BASWCA, and that they have not yet received the report.*

     Commissioner Vietor asked that the report be presented to the Commission when finalized. General Manager (GM) Kelly noted the reason for delay. In response to a question as to when the report will be ready, Eric Sandler, Assistant General Manager (AGM), Business Services, stated the it will be ready within the next couple of months.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Multi-Enterprise Climate Committee Update
   e) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
None.

7. Report of the General Manager
   a) CleanPowerSF Update
   Barbara Hale, AGM Power, provided a CPSF update: (1) Enrollment: Serving 81,000 accounts; 3.2% opt-out rate; 4.2% SuperGreen upgrade rate; July 1st auto enrollment underway which will increase the customer count to approximately 105,000, with the addition of mostly commercial accounts; (2) Regulatory: PCIA hearings concluded with briefs filed and proposed decision expected in summer. AGM Hale discussed and expressed concern with the recently published California PUC Customer Choice report. She stated June 11th is the deadline for comments and that a legislative-style hearing is scheduled for June 22nd.

   No public comment.

   b) Sewer System Improvement Program (SSIP) Quarterly Update
   Karen Kubick, Wastewater Enterprise Capitol Program Director, presented the SSIP Quarterly Report and Triple Bottom Line Update: (1) Program Status (Phase I 22.6% complete); (2) Biosolids Digester Facilities Project Timeline; (3) Southeast Plant Headworks Facilities Project Timeline; (4) SSIP Phase 1 jobs report (32% actual SSIP local hire percentage achieved); and (5) Stakeholder outreach.

   Director Kubick continued with a presentation of the SFPUC's Triple Bottom Line: (1) Evaluating alternatives; decision-making support; and project selection transparency/reporting facilitation; (2) What went into making TBL (assessment model); (3) TBL Indicators (social, environmental and financial); (4) TBL Output (TBL bottom-line analysis); (5) How has TBL model been utilized on the SSIP (Holloway Green Street alternatives and TBL results, New Headworks Facility alternatives, TBL results, and rendering); (2) New Headworks Facility (alternatives and results and rendering); (6) TBL Analysis (Phase 1 Projects); (4) How to access SFPUC's TBL executive summary; and (5) Next steps.

   Director Kubick responded to a request from Commissioner Moran for clarification as to what "including TBL into communications materials" means. Brief discussion ensued.

   Director Kubick responded to Commissioner Moran's question as to the existence of a complete summary of decisions on the SSIP and noted the need for documentation.

   Commissioner Vietor asked that the TBL information be distilled into something more understandable and be communicated on the web to inform the public of projects and their values.

GM Kelly noted the TBL is part of the project evaluation process and he wants to make it part of project delivery and a project tool. He stated reports can be pulled, if requested.

Commissioner Vietor questioned how to monetize, value, and quantify additional non-financial benefits of the TBL. GM Kelly noted that care must be taken when placing a value and noted there are software programs that can assist in those efforts, which are being evaluated.

President Kwon thanked Ms. Kubick on great work.

Public Comment

- *Francisco DaCosta stated it needs to be kept simple. He discussed the 2002 bond measure which addressed the SSIP and WSIP. He stated the community has been let down and that there has been no mention of health and community benefit or quality of life issues.*

c) Wastewater Capital Improvement Program Quarterly Report
Karen Kubick stated there has been no deviation from the baseline.

She informed the Commission she is retiring and it was her last presentation before the Commission. She stated it has been a pleasure to see the project's progress and to work with the SFPUC staff and the Commission.

GM Kelly thanked Ms. Kubick for her work and reviewed his history of work with Karen.

Public Comment

- *Francisco DaCosta thanked Karen for embracing the Bayview Community. He discussed her important role with the SSIP and her efforts to accommodate constituents to the best of her ability. He thanked her on behalf of the community.*

d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
GM Kelly stated that Proposition A passed with approximately 80% of the vote.

No public comment.

8. Recognition of Tracy Yamaguchi upon her retirement after 27 years of distinguished service to the SFPUC
GM Kelly introduced Tracy Yamaguchi and summarized her career, which includes positions in the Controller's office, San Francisco Airport, and 27 years with the SFPUC. He thanked her for her work and congratulated her on her retirement.

Ms. Yamaguchi thanked GM Kelly and the Commission for the recognition. The Commission presented Ms. Yamaguchi with a retirement certificate.

No public comment.

9. Green Infrastructure (GI) Early Implementation Projects (EIP): Monitoring and Lessons Learned
Brian Henderson introduced Polly Perkins, Utility Planning Division, who presented on the following: (1) EIP monitoring locations and strategies; (2) Why monitor GI (evaluate performance and build knowledge); (3) Cesar Chavez Green Street (annual performance and Level-of-Service (LOS) performance).

Ms. Perkins responded to a question from Commissioner Moran as to how the percentage of reduction measure is determined.

(4) Oak and Fell Green Street (estimated and actual volume reduction, and annual peak flow reduction); (5) Sunset Model Block Monitoring Results (estimated and actual volume reduction, and annual peak flow reduction).

Ms. Perkins responded to a question from Commissioner Vietor as to whether there is measurement of flow that doesn't enter the system, and about the runoff reduction (predicted vs. monitored).

(5) Sunset Model Block Monitoring Results (estimated and actual volume reduction, and annual peak flow reduction); (6) Upcoming EIP monitoring; and (7) Preliminary EIP Monitoring Conclusions.

Commissioner Vietor thanked Ms. Perkins for her presentation.

Sarah Bloom, Utility Planning Division, reported on the top EIP lessons learned: (1) Establish cost-effective metrics for GI projects; (2) Identify site constraints early in the site selection process; (3) Use a programmatic approach to encourage others to implement green infrastructure; (4) Implement capital projects on large parcels by leveraging key city partners; and (5) Develop standard GI project delivery process for efficient implementation.

Sara Minick, Utility Planning Division Manager, responded to a question from VP Courtney Vince as to how many projects are in-works, and how the current projects are maintained (Job Order Contract and labor model). GM Kelly provided additional response.

VP Courtney stated he would like to see more thought given to career pathway opportunities for under-represented and under-served communities.

GM Kelly noted that as part of the grant process criteria could include that community members be hired.

Commissioner Vietor stated the workforce component is key as the projects move from a minor to a major scale. Brief discussion ensued.

Ms. Minick provided clarification to the presentation regarding percentages in reduction.

President Kwon thanked Commissioner Vietor for her leadership around GI.

Public Comment

- *Francisco DaCosta stated he attended the first GI workshop and there were no community members in attendance, and the workshop were given by consultants. He stated there was no follow-up or certificate provided. He noted concerns from contractors of materials production in China.*

10. Update on federal legislation and appropriations relevant to SFPUC operations including the Water Infrastructure Finance and Innovation Act program, State Revolving Funds, Ocean Beach Replenishment, Workforce Development, and Federal Energy Regulatory Commission Proceedings
Emily Lam, Director Policy and Government Affairs, provided an update on federal legislation and appropriations relevant to SFPUC operations. She discussed the Water Resources Development Act, which is before Congress, highlighting the finance and workforce development sections of the Act. She provided a status update to several appropriations bills of interest to the SFPUC.

Michael Carlin, Deputy GM, responded to a question from Commissioner Vietor regarding the status of the National Marine Fisheries Service (NMFS) Appropriations Bill Rider and the likelihood of passage.

GM Kelly stated that the SFPUC will take a position through the Mayor's Office and will work through that process.

GM Kelly responded to a follow-up question from Commissioner Vietor regarding the SFPUC's position, indicating he is also waiting to hear the positions of Senators Feinstein and Harris.

Commissioner Vietor requested that an update on the proceedings with the State Water Board be provided.

Public Comment

- *Peter Mangarella, Trout Unlimited, discussed the Alameda Creek Watershed and the New Don Pedro Dam. He asked that the SFPUC oppose the Rider.*
- *John McManus, President, Golden State Salmon Association, urged opposition to the Rider and expressed concern with precedents.*
- *Noah Oppenheim, Executive Director, Pacific Commercial Fishermans' Association, expressed opposition to the Rider and any policy that would prevent NMFS from implementing authority under the Federal Power Act.*
- *Peter Drekmeier, Tuolumne River Trust, asked where the SFPUC stands with regards to attacks on the environment. He discusses Senator*

Feinstein's position and communications with the SFPUC. He requested the Commission oppose the Rider.

- *Barry Nelson, Golden Gate Salmon Association, discussed the multiple riders the salmon industry is fighting. He asked that the Commission oppose the Rider as soon as possible.*
- *Francisco DaCosta, commented on the previous speaker's words and stated the Commission needs to pay attention. He discussed Raker Act requirements.*

11. Consent Calendar:
    a) Approve Modification No. 1 to Job Order Contract (JOC), JOC- 51, Heating Ventilation Air Conditioning (HVAC) Energy Efficiency (C-20 License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with EMCOR/Mesa Energy Systems, Inc., to perform HVAC and energy efficiency mechanical upgrades in City-owned municipal facilities, increasing the contract by $2,500,000 for a total contract amount of $7,500,000, and increasing the duration by one year for a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Ch. 6.62. Job Order Contracts (f) and (g). (Resolution 18-0094)

    b) Accept work performed by D'Arcy & Harty Construction for Contract No. WW-603, As-Needed Main Sewer Replacement, for a total contract amount of $3,843,339 and a total duration of 760 consecutive calendar days, and authorize final payment to the contractor. (Resolution 18-0095)

    c) Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days to Contract No. WW-625, Oceanside Water Pollution Control Plant Flare Control and Stack Upgrade; and authorize the General Manager to approve future modifications to the contract duration up to a total of 750 consecutive calendar days, with no change to the contract amount. (Resolution 18-0096)

    d) Approve an increase to the existing construction contract duration contingency of 134 consecutive calendar days to Contract No. WW-633, Various Locations Sewer Replacement No. 2; and authorize the General Manager to approve future modifications to the contract duration for a total revised contract duration up to 640 consecutive calendar days, with no change to contract amount. (Resolution 18-0097)

    No public comment.

    On Motion to approve the Consent Calendar:
    Ayes: Kwon, Courtney, Vietor, and Moran

The Commission Secretary stated Item 12 was removed from the calendar.

12. Authorize the General Manager to execute a Conditional Land Disposition and Acquisition Agreement by and between the City and County of San Francisco (City), acting through its Public Utilities Commission and 2000 Marin Property,

L.P. (Developer), providing for the City's future transfer of real property at 639 Bryant Street (Block 3777, Lot 052) in exchange for acquiring 2000 Marin Street (Block 4346, Lot 002), and including the Developer reimbursing the SFPUC for certain costs, with closing conditioned on several factors including the City's discretionary approval after completion of environmental review, subject to approval by the Board of Supervisors; adopt a finding declaring 639 Bryant Street surplus to SFPUC's utility needs, conditioned upon and effective upon the date of close of escrow on the proposed land exchange transaction.

13. Approve Amendment No. 1 to CS-1048(G), Grant Agreement with the San Francisco Unified School District to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School; and authorize the General Manager to execute this amendment, increasing the grant amount by $180,000 for a total amount of $708,000, with no change in the agreement duration. (Resolution 18-0098)

    No public comment.

    On Motion to approve Item 13:
    Ayes: Kwon, Courtney, Vietor, and Moran

14. Approve the selection of and award Grant Agreement No. PRO.0075 to Chinatown Community Development Center (CCDC) to implement the Sustainable Chinatown Initiative Pilot Project to coordinate outreach with City agencies and community stakeholders on development and implementation of green infrastructure, non-potable reuse, and energy efficiency projects in Chinatown; and authorize the General Manager to negotiate and execute a grant agreement with CCDC for an amount not-to-exceed $180,000, and with a total duration of two years. (Resolution 18-0099)

    No public comment.

    Commissioner Vietor requested recusal stating she is an employee of the San Francisco Foundation, and they have provided grants to the CCDC.

    On Motion to approve Commissioner Vietor's recusal:
    Ayes: Kwon, Courtney, and Moran

    On Motion to approve Item 14:
    Ayes: Kwon, Courtney, and Moran

15. Approve the plans and specifications, and award Contract No. WW-656, As-Needed Spot Sewer Replacement No. 37, for a total contract amount not-to-exceed $8,198,256, and with a duration of 400 consecutive calendar days, to J. Flores Construction Company, Inc., to replace sections of existing sewer piping, on an as-needed basis, at locations to be determined throughout the City of San Francisco; and authorize the General Manager to negotiate and execute a

contract for an amount not-to-exceed $8,198,256 with the sole qualified, responsible and responsive bidder, J. Flores Construction Company, Inc., or, if negotiations are unsuccessful, with another qualified contractor, as permitted under San Francisco Administrative Code Section 6.23(c)(2). (Resolution 18-0100)

No public comment.

On Motion to approve Item 15:
Ayes: Kwon, Courtney, Vietor, and Moran

16. Approve Amendment No. 1 to Agreement No. 1000000172, As-Needed Technical Services Agreement with Aclara Technologies LLC, to procure proprietary hardware consisting of Meter Transmission and Data Collector Units; and authorize the General Manager to execute this amendment, increasing the agreement by $2,349,857 for a total contract not-to-exceed amount of $2,915,857, and with a time extension of three additional years, through December 31, 2023, for a total contract duration of eight years. (Resolution 18-0101)

No public comment.

On Motion to approve Item 16:
Ayes: Kwon, Courtney, Vietor, and Moran

17. Approve three Resource Adequacy (RA) contracts for CleanPowerSF executed by the General Manager between the San Francisco Public Utilities Commission and Pacific Gas & Electric Company, with a combined term of two years and five months, and total costs of $13.7 million; and authorize the General Manager to seek retroactive approval from the Board of Supervisors for the three RA contracts. (Resolution 18-0102)

No public comment.

On Motion to approve Item 17:
Ayes: Kwon, Courtney, Vietor, and Moran

No public comment on matters to be discussed during Closed Session.

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert:
Ayes: Kwon, Courtney, Vietor, and Moran
No public comment.

The Commission entered Closed Session at 3:39 PM:

19. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
Pacific Bell Tel. Col, et al v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-16-554661
Date Filed: October 4, 2016
Proposed Settlement of action with plaintiff's release of all claims and the city to pay plaintiff in the amount of: $852,057.22
(Resolution 18-0103)

20. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and (e) (3), and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
Charleen Maghzi, individually and as trustee of the Maghzi Family Marital Trust v. The City and County of San Francisco
San Francisco Superior Court Case No.: CGC-18-563778
Date Filed: January 26, 2018
(Resolution 18-0104)

Proposed settlement of action with plaintiff's release of all claims and the City to pay plaintiff $1,427,637.59

21. Conference with Legal Counsel – Pursuant to California Government Code Sections 54956.9 (d) (1) and (e) (3), and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
Isabel Rodriguez-Alba v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-15-548917
Date Filed: October 10, 2015
Proposed settlement of action with plaintiff's release of all claims and the City to pay plaintiff $55,000
(Resolution 18-0105)

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
Restore Hetch Hetchy v City and County of San Francisco
California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
City Law No.: 151139 / Date Filed July 12, 2016

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric

Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

25. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

26. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

27. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

28. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

The Commission exited Closed Session at 4:06 PM.

29. Announcement following Closed Session
None.

30. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

On Motion not to disclose:
Ayes: Kwon, Courtney, Vietor, and Moran

No public comment.

31. Other New Business
Commissioner Vietor requested than an action be placed on the next agenda to discuss SFPUC position on the NMFS Appropriations Bill Rider.

VP Courtney discussed indictments made of staff regarding community benefits and lack of transparency and honesty on the NMFS issue. He expressed concern with the lack of attention and response to questions asked, and his requests surrounding the on-boarding of employees. He feels staff is coming from a place of "no" rather than "yes".

32. Adjournment
President Kwon adjourned the meeting at 4:13 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0094**

WHEREAS, On July 12, 2016, per Resolution No.16-0136, this Commission approved the award of Job Order Contract (JOC) No. JOC-51, HVAC (C-20 License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties to EMCOR/ Mesa Energy Systems, Inc. to perform heating, ventilation, and/or air conditioning upgrades at City owned municipal facilities; and

WHEREAS, The JOC's first task order's Notice-to-Proceed date was April 14, 2017; and

WHEREAS, The original contract amount was for an amount not-to-exceed $5,000,000 and the original contract duration was four years; and

WHEREAS, Modification No. 1 is being requested to increase the contract amount by $2,500,000, for a total not-to-exceed contract amount of $7,500,000, and increase the duration by one year, for a total contract duration of five years; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increases in contract price in excess of 10% of the original contract price and any cumulative extensions of time exceeding 10% of the original duration be approved by this Commission; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 8% for this construction contract; and the contractor has committed to a LBE subcontracting participation of 8.29% in its bid submittal; and

WHEREAS, No task order will be issued under this contract until, if required, the appropriate California Environmental Quality Act (CEQA) document has been prepared, reviewed and considered; and

WHEREAS, Funding will be available from various San Francisco Public Utilities Commission enterprise funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 1 to Job Order Contract No. JOC-51, HVAC (C-20-License) for SF Bay Area, for continued HVAC construction work for all for SF Bay Area Operations and facilities, increasing the contract amount by $2,500,000, for a total not-to-exceed contract amount of $7,500,000, and increasing the contract duration by one year (365 consecutive calendar days), for a total contract duration of five years (1825 consecutive calendar days).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0095**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program funded Contract No. WW-603, As-Needed Main Sewer Replacement, by the contractor, D'Arcy & Harty Construction; and

WHEREAS, On June 23, 2015, by Resolution No. 15-0143, this Commission awarded Contract No. WW-603, As-Needed Main Sewer Replacement, in the amount of $7,726,050, to the lowest, qualified responsible and responsive bidder, D'Arcy & Harty Construction; and

WHEREAS, The construction contract Notice-to-Proceed date was set for August 10, 2015; and

WHEREAS, The original contract amount was for $7,726,050, and the original contract duration was 760 consecutive calendar days; and

WHEREAS, Modification No. 1 was issued for ($3,882,711) to adjust contract bid item quantities to match actual quantities used, decreasing the contract amount to $3,843,339; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) goal of 16% for this contract, and CMD has determined that the contractor substantially complied with the LBE subcontracting requirement by achieving a final LBE participation of 13.94%.; and

WHEREAS, Funds are available from Project No. 10015652 – As-Needed Main Sewer Replacement; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by D'Arcy & Harty Construction for WWE, R&R Program funded Contract No. WW-603, As-Needed Main Sewer Replacement, for a total contract amount of $3,843,339, and with a total contract duration of 760 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0096**

WHEREAS, On August 9, 2016, per Resolution No. 16-0161, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) funded Contract No. WW-625, Oceanside Water Pollution Control Plant Flare Control and Stack Upgrade, to JMB Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for October 17, 2016; and

WHEREAS, The original contract amount was for $3,437,000 and the original contract duration was 600 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase to duration in-excess-of 10% of the original contract duration be approved by this Commission; and

WHEREAS, The project has encountered delay associated with obtaining the project required air board regulatory permit to complete the project scope items; and

WHEREAS, An increase to the existing 60-day contract duration contingency in the amount of 90 consecutive calendar days is being requested for a total duration contingency of 150 days, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting goal of 20% for this construction contract, and the contractor committed to a LBE participation of 28% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWRNRTF46, OSP Flare Control and Stack Upgrade; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase of 90 days to the existing contract duration contingency for WWE, R&R funded Contract No. WW-625, Oceanside Water Pollution Control Plant Flare Control and Stack Upgrade, with JMB Construction, Inc., for a total contract duration contingency of 150 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager (or his designee) to consider and, if appropriate, to approve any future modifications to the contract duration of up to 750 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Wood

Secretary, Public Utilities Commission

Glenn Shook

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0097**

WHEREAS, On February 28, 2017, per Resolution No. 17-0036, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program and Public Works (PW) Pavement Renovation and Curb Ramp Programs funded Contract No. WW-633, Various Locations Sewer Replacement No. 2, to Shaw Pipeline, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for May 1, 2017; and

WHEREAS, The original contract amount was for $7,374,508 and the original contract duration was 460 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, Potential change order estimates an increase in the contract duration of up to 180 consecutive calendar days; and

WHEREAS, This potential change order, if converted to a change order, would exceed by 134 days the pre-approved 10% construction duration contingency of 46 consecutive calendar days; and

WHEREAS, An additional increase of 134 days to the existing 46-day contract duration contingency, for a total duration contingency of 180 days, is requested for additional time to procure materials related to the relocation of an Auxiliary Water Supply System lateral crossing the sewer trench near Beach Street and Divisadero Street due to differing site conditions; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE subcontracting participation of 20.45% with its bid submittal; and

WHEREAS, On December 12, 2016 the Planning Department determined that the project is categorically exempt under the California Environmental Quality Act Guidelines Section 15302, Class 2 (Replacement or Reconstruction); and

WHEREAS, Funds are available from SFPUC WWE R&R Project No. 10015674 Various Locations Sewer Replacement No. 2, PW Project No. 10030362 Various Locations Curb Ramps and PW Project No. 10031011 Various Locations Pavement Renovation; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase of 134 consecutive calendar days to the existing contract duration contingency for WWE, R&R Program and PW Pavement Renovation and Curb Ramp Programs funded Contract No. WW-633, Various Locations Sewer Replacement No. 2, increasing the total contract duration contingency to 180 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve future modifications to the contract duration of up to 640 consecutive calendar days, with no change in the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0098**

WHEREAS, Since 2003, San Francisco voters have approved a total of nearly $14 million in bond funding allocated for green schoolyards design and construction, which is supporting the development of green schoolyards at 84 K-12 public schools throughout San Francisco; and

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) has recognized an opportunity to supplement the San Francisco Unified School District's (SFUSD) green schoolyard master planning and design process to incorporate innovative green stormwater infrastructure technologies that are not currently within the scope of the green schoolyard program; and

WHEREAS, Green infrastructure on school properties supports the SFPUC goal of providing water and wastewater education to the city's youth and fostering future stewards of our city's water and wastewater systems; and

WHEREAS, Green infrastructure on school properties also helps protect and enhance the function of the City and County of San Francisco's sewer system and the quality of receiving water bodies by reducing the volume and rate of stormwater run-off into the system; and

WHEREAS, The SFPUC and SFUSD have selected Robert Louis Stevenson Elementary School as the most appropriate site for the pilot Stormwater Schoolyard ("the Project"); and

WHEREAS, In 2015, per Commission Resolution 15-0238, the SFPUC awarded the SFUSD a grant in an amount not to exceed $177,000 to fund the design of the Project; and

WHEREAS, On March 13, 2018, per Commission Resolution 18-0041, the SFPUC awarded a grant agreement to SFUSD, in the amount of $528,000 and with a term of one year for the purposes of constructing the Project; and

WHEREAS, Amendment No. 1 is now being requested for $180,000, with no change in the duration of the agreement, for a total amount of $708,000 because the low bid received to construct the project was over the estimated budget for the project.

WHEREAS, Funds for the original grant amount are available from Wastewater Enterprise Project No. 10025774 and funds for Amendment No. 1 are available from COA codes 20170-229267-17704-10025762-0001 and 20170-229267-17714-10025772-0007; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. CS-1048(G), Grant Agreement with SFUSD to fund the construction of a pilot Stormwater Schoolyard at Robert Louis Stevenson Elementary School, and authorizes the General Manager of the SFPUC to execute the amendment, increasing the grant amount by $180,000, for a total amount of $708,000, with no change in the agreement duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0099**

WHEREAS, The San Francisco Public Utilities Commission's (SFPUC's), mission is to provide its customers with high quality, efficient and reliable water, power, and sewer services in a manner that is inclusive of environmental and community interests, and that sustains the resources entrusted into its care; and

WHEREAS, The San Francisco Planning Department and the San Francisco Department of the Environment launched the Sustainable Chinatown Initiative in 2014 to implement a set of strategies that address the Chinatown neighborhood's environmental performance and long-term sustainability, while preserving its unique cultural characteristics; and

WHEREAS, One of the SFPUC's goals is to expand the City's sustainability efforts by formalizing a new approach to water resources management through its OneWaterSF (OneWaterSF) Initiative; and

WHEREAS, Pursuant to the OneWaterSF framework, the SFPUC is partnering with the Sustainable Chinatown Initiative by providing the Sustainable Chinatown Steering Committee with technical assistance for the green infrastructure, non-potable, and energy efficiency programs offered by the SFPUC's Water, Power, and Wastewater Enterprises; and

WHEREAS, Given the unique makeup of the Chinatown community due to its largely immigrant, monolingual population, the SFPUC sought the assistance of a community-based organization to perform community outreach to City departments and Chinatown community stakeholders in the planning and design of green infrastructure, nonpotable reuse, and energy efficiency projects under the Sustainable Chinatown Initiative; and

WHEREAS, Funding for this grant is available from the Wastewater Community Benefits Program ($40,750), Water Community Benefits Program ($105,750), and Hetch Hetchy Community Benefits Program ($33,500); and

WHEREAS, Following a competitive selection process, staff recommends the Commission approve the award of Grant Agreement No. PRO.0075 to the Chinatown Community Development Center to manage and operate the SFPUC's Sustainable Chinatown Initiative – Water, Power, and Sewer Pilot Program, a pilot implementation effort under the OneWaterSF banner that leads to a blueprint for how SFPUC furthers the objectives of each enterprise and assists communities in improving their environmental performance; now, therefore be it

RESOLVED, That this Commission hereby approves the selection of and award of Grant Agreement No. PRO.0075 to Chinatown Community Development Center to implement the Sustainable Chinatown Initiative Pilot Project to coordinate outreach with City agencies and community stakeholders on development and implementation of green infrastructure, nonpotable reuse, and energy efficiency projects in Chinatown; and authorizes the General Manager to negotiate and execute a grant agreement with CCDC for an amount not to exceed $180,000, and with a total agreement duration of two years to implement the Pilot Project.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Secretary, San Francisco Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0100**

WHEREAS, Water Enterprise (WWE), Renewal and Replacement (R&R) Program funded Contract No. WW-656, As-Needed Spot Sewer Replacement No. 37, was advertised on February 22, 2018; and

WHEREAS, The Engineer's Estimate is $7,966,825 for this construction contract work to replace localized sections of existing sewer piping, on an as-needed basis, at locations to be determined throughout the City of San Francisco; and

WHEREAS, The contract duration is 400 consecutive calendar days; and

WHEREAS, One (1) bid was received and opened publicly on March 29, 2018; and

WHEREAS, Pursuant to the San Francisco Administrative Code, Chapter 6.23(c)(2), San Francisco Public Utilities Commission (SFPUC) conducted an analysis of the level of contract outreach and a review of the scope of work in the contract documents, in order to determine whether modifications to either would likely result in more than one bid at substantially lower prices than the bid received if the contract were to be re-advertised; and

WHEREAS, SFPUC staff determined that the SFPUC likely will not benefit from modification, re-advertising, or re-bidding of the contract; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of J. Flores Construction Company, Inc. as the sole qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this contract, and the contractor committed to a LBE subcontractor participation rate of 20.07% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10030784, As-Needed Spot Sewer Replacement No. 37; and

WHEREAS, Contract approval does not fall within the definition of a "project" under California Environmental Quality Act Guidelines Section 15378(b)(4) related to the creation of government funding mechanisms which do not involve any commitment to any specific project which may result in a potentially significant impact on the environment. Implementation of specific projects under the proposed as-needed contract less than one mile in length normally would be statutorily exempt from environmental review under Public Resources Code Section 21080.21; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager to negotiate a contract for an amount not to exceed $8,198,256 with the sole qualified, responsible and responsive bidder, J. Flores Construction Company, Inc., or, if negotiations are unsuccessful, with another qualified contractor, for WWE, R&R Program-funded Contract No. WW-656, As-Needed Spot Sewer Replacement No. 37; and be it

FURTHER RESOLVED, That, upon successful negotiations, this Commission hereby approves the plans and specifications and awards WWE, R&R Program-funded Contract No. WW-656, As-Needed Spot Sewer Replacement No. 37, for an amount not to exceed $8,198,256, with a contract duration of 400 consecutive calendar days, to the sole qualified, responsible and responsive bidder, J. Flores Construction Company, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0101**

WHEREAS, In 2008, the Water Enterprise of the San Francisco Public Utilities Commission (SFPU) issued a Request for Proposal ("RFP), CS-936, for the procurement, installation, and integration of an Automated Water Metering System; and

WHEREAS, Pursuant to CS-936, SFPUC selected VSI Meter Services, Inc. (VSI) which proposed the Aclara STAR Automatic Meter Reading System ("Aclara AMI System"); and

WHEREAS, Beginning in 2012, SFPUC commenced to deploy the Aclara AMI System throughout the City and County of San Francisco at a cost of nearly $60,000,000; and

WHEREAS, The Aclara AMI System consists primarily of Aclara Technologies LLC's (Aclara Technologies) Meter Transmission and Data Collector Units (MTUs and DCUs, respectively) which are proprietary products of Aclara Technologies; and

WHEREAS, In 2016, SFPUC entered into Agreement No. 1000000172 ("Agreement") with Aclara Technologies to procure diagnostic and repair services for the MTUs and DCUs that comprise the Aclara AMI System; and

WHEREAS, the Agreement has a not to exceed amount of $566,000 with a duration of five years, beginning on January 1, 2016 and ending on December 31, 2020; and

WHEREAS, the Agreement was authorized by the Office of Contract Administration (OCA) pursuant to Chapter 21.30(d) of the San Francisco Administrative Code, by this Commission through the delegated Authority granted to the SFPUC General Manager under SFPUC Resolution Number 09-0017, and by the Civil Service Commission on March 16, 2015 as PSC No. 41426 - 14/15; and

WHEREAS, The SFPUC Water Enterprise requests amendment of the Agreement to allow for the purchase of additional Aclara MTU and DCU hardware to replace damaged units and to complete the remaining 5% deployment of the original Aclara AMI System; and

WHEREAS, Amendment 1 will extend the contract term by three additional years through December 31, 2023 and increase the contract not-to-exceed amount by $2,349,857 to $2,915,857; and

WHEREAS, OCA authorized Amendment 1 to the Agreement to extend the existing proprietary metering system of the SFPUC on April 16, 2018, and the Civil Service Commission authorized Amendment 1 on June 4, 2018; and

WHEREAS, Pursuant to Chapter 14B of the San Francisco Administrative Code, the Contract Monitoring Division Local Business Enterprise sub-consulting requirements have been waived for the Agreement and Amendment 1 thereto; and

WHEREAS, Funds for this agreement are available from the Operating Budget of the SFPUC Water Enterprise; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. 1000000172, As-Needed Technical Services Agreement with Aclara Technologies LLC, to procure proprietary hardware consisting of Meter Transmission and Data Collector Units, and authorizes the General Manager of the San Francisco Public Utilities Commission to execute this Amendment No. 1, increasing the agreement by $2,349,857, for a total contract not-to-exceed amount of $2,915,857, and extending the contract term by three years through December 31, 2023, for a total contract duration of eight years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0102

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program, called CleanPowerSF, through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, The San Francisco Board of Supervisors approved the use of industry pro forma agreements to purchase electricity, including the Edison Electric Institute pro forma agreement (Board of Supervisors Ord. No. 75-15); and

WHEREAS, In Resolution 17-0226, the Commission authorized contracts with specified respondents to the competitive solicitations issued for power supplies needed to support expansion of CleanPowerSF service to all San Francisco customers, and it delegated to the General Manager authority to execute contracts subject to specified conditions; and

WHEREAS, In Resolution 18-0028, the Commission found that the conditions established in Resolution 17-0226 and those adopted by the Board of Supervisors in Ordinance 008-18 had been satisfied, and it authorized the General Manager to continue to take all steps necessary to expand CleanPowerSF service until 100% of eligible San Francisco customers are enrolled; and

WHEREAS, On March 15, 2018, PG&E issued a Multi-Year RA Request for Bids to sell Resource Adequacy (RA) capacity products from PG&E's portfolio for RA deliveries beginning in 2019 through the end of 2022 to which CleanPowerSF responded and was shortlisted for RA capacity quantities with a total contract cost not to exceed $9,846,750 and a term of two years; and

WHEREAS, On April 23, 2018, PG&E issued a Request for Bids to sell RA for the months of July through December 2018 to which CleanPowerSF responded and was shortlisted for RA capacity quantities with a total contract cost not to exceed $504,000 and a term of four months; and

WHEREAS, On May 7, 2018, CleanPowerSF issued a Request for Offers to purchase System, Local, and Flexible RA for July through December 2018 to which PG&E responded and was shortlisted for RA capacity quantities with a total contract cost not to exceed $3,411,740 and a term of five months; and

WHEREAS, The General Manager executed three contracts with PG&E in the amounts of $9,846,750, $504,000, and $3,411,740 respectively to secure adequate RA capacity and meet the compliance obligations; and

WHEREAS, this approval does not constitute a "project" under the California Environmental Quality Act (CEQA) Guidelines Section 15378 because there would be no physical change in the environment; now, therefore, be it

RESOLVED, That the Commission approves the three RA contracts with PG&E executed by the General Manager for the CleanPowerSF program and authorizes the General Manager to seek Board of Supervisors retroactive approval for the three contracts.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 12, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, June 26, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ" าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of June 12, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Update on the 2018 March Storm Event Declaration of Emergency
   e) Water Pipeline Assessment
   f) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Recognition of **Jim Wood**, Laborers' International Union of North America, Local Union #1130, and **Michael Theriault**, San Francisco Building and Construction Trades Council, upon their respective retirements (discussion only) (Kelly, Jr.)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Update on Section 541 of H.R. 5952 - Commerce, Justice, Science and Related Agencies Appropriations Act of 2019 related to National Marine Fisheries Service's participation in the Don Pedro and La Grange Hydroelectric Projects licensing proceedings before the Federal Energy Regulatory Commission (Carlin)
   c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

9. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in*

which event the matter will be removed from the Calendar and considered as a separate item.

a) Approve Amendment No. 2 to **Agreement No. CS-324.A**, Security Consulting and Design Services, with CH2M Hill Engineers, Inc.; and authorize the General Manager to execute this amendment, extending the term by six months for a total agreement duration of four years and six months, with no change to the agreement amount. (How)

180106

REGULAR SESSION

10. Authorize the General Manager to execute **Amendment Two to the Gas Pipeline Cross Bore Agreement** with Pacific Gas and Electric Company (PG&E) to extend the term by three and a half years until April 13, 2021, for a total term of six and a half years, to allow PG&E additional time to complete inspection and repair of gas line cross bores through SFPUC sewer facilities. (Carlin)

Continued

11. Confirm and approve the analysis and conclusions set forth in the **Revised Water Supply Assessment for the proposed India Basin Project**, pursuant to the State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Ritchie)

180107

12. Authorize the General Manager to negotiate and execute a **grant agreement with the San Francisco Unified School District** (SFUSD) for an amount not-to-exceed $370,000, and with a duration of four years, to integrate the SFPUC's *Big Ideas* Science, Technology, Engineering and Math Education Framework into SFUSD science curriculum for all students K-12. (Ellis)

180108

13. Approve Amendment No. 3 to Agreement No. CS-242A with Baseline Environmental Consulting, Agreement No. CS-242B with ESA+Orion Joint Venture, and Agreement No. CS-242C with URS Corporation Americas to continue to provide environmental analyses, surveys, and reports, and prepare resource agency permit applications; and authorize the General Manager to negotiate and execute amendments to **Agreements Nos. CS-242A–C**, increasing each of the three agreements by $4,000,000, for a total not-to-exceed amount of $9,600,000 per agreement, with no change to the contract duration, and for CS-242C only, to execute a name change from URS Corporation Americas to URS Corporation. (How)

180109

14. Approve and authorize the General Manager to execute an Assignment and Assumption Agreement for **Agreement No. CS-242D**, As-Needed Environmental Support, from RMC Water and Environment to Woodard & Curran, Inc.; approve Amendment No. 3 to Agreement No. CS-242D; and authorize the General Manager to negotiate and execute Amendment No. 3 to CS-242D in an amount of $4,000,000, for a total not-to-exceed agreement amount of $9,600,000, with no change to the agreement duration. (How)

180110

15. Approve Amendment No. 5 to **Agreement No. CS-716**, Calaveras Dam Replacement, with URS Corporation to provide ongoing engineering support

180111

during construction, start-up, and commissioning of the project; and authorize the General Manager to negotiate and execute Amendment No. 5 increasing the agreement by $2,415,000, for a total agreement amount of $30,915,000, and extending the term by 13 months, for a total agreement duration of 16 years, 10 months, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (How)

16. Other New Business (discussion only)

17. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Minutes
Tuesday, June 26, 2018
(Approved July 10, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:33 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen, Vietor, and Moran

3. Approval of the Minutes of June 12, 2018
   On Motion to approve the Minutes of June 12, 2018:
   Ayes: Kwon, Courtney, Caen, Vietor, and Moran

   No public comment.

4. General Public Comment
   - *Peter Drekmeier, Tuolumne River Trust, distributed a document titled, "We Can Have a Vibrant Economy AND Healthier Ecosystems". He stated the document addresses SFPUC water rights and storage.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Update on the 2018 March Storm Event Declaration of Emergency
   e) Water Pipeline Assessment
      Steve Ritchie, Assistant General Manager (AGM) Water, responded to questions from Commissioner Moran regarding impediments to meeting set objectives for miles inspected and repaired, the difficulty of multi-agency projects, the length of time it takes to move those projects along, and their high cost. AGM Ritchie stated the assessment doesn't address that if there are lengthy projects, the possibility of other projects that can take their place to meet the inspection goal.

      Commissioner Moran requested that staff report back regarding opportunities for reprioritization.

      AGM Ritchie responded to a follow-up question regarding a reported leak in the San Antonio Pipeline, which was due to seismic activity.

   f) Water Supply Conditions Update

      No public comment.

6. Other Commission Business
   Vice President (VP) Courtney thanked the General Manager (GM) for participating in the recognition of three City Distribution Division employees at the 8th Annual Montoya recognition event.

   No public comment.

7. Recognition of Jim Wood, Laborers' International Union of North America, Local Union #1130, and Michael Theriault, San Francisco Building and Construction Trades Council, upon their respective retirements.
GM Kelly, Jr., recognized Mr. Mike Theriault and Mr. James Wood for their work to create the Project Labor Agreement (PLA). He began with a summary of Mr. Theriault's distinguished career and impact of his work.

Mr. Theriault thanked GM Kelly and discussed the history of the PLA and the collaborative work to ensure its success.

VP Courtney expressed gratitude for Mr. Theriault and their work together. He commended Mr. Theriault's leadership to bring people together and for outstanding performance.

GM Kelly reviewed Mr. Wood's background and long-serving career and thanked him for his service.

Mr. Wood congratulated Mr. Theriault upon his retirement. He thanked GM Kelly for the recognition. He discussed his career path which included work on Hetch Hetchy projects. He outlined his participation with workforce development efforts and noted the success of the many cohorts he has worked with.

VP Courtney thanked Mr. Wood for his leadership and expressed gratitude that he could work with Mr. Wood on workforce development projects.

Public Comment

- *Leonard Gonzalez, Executive Director, Laborers Training Center Northern California, acknowledged Mike and Jim for their work and thanked the Commission for their support, leadership, and guidance.*

VP Courtney thanked SFPUC staff Masood Ordikhani and Todd Kyger for their work coordinating with the trade unions.

8. Report of the General Manager
   a) CleanPowerSF Update
   Barbara Hale, AGM Power, provided a CPSF update: (1) Service to Customers: Serving 81,000 accounts; no change to the opt-out or SuperGreen upgrade rates; (2) Enrollment; July auto enrollment in progress and will increase customer count to approximately 105,000, with the addition of mostly commercial accounts; 170 opt-outs for the July phase; 114 opt-up to SuperGreen; and (3) Regulatory: Provided update regarding the California PUC (CPUC) Customer Choice Report (Green Book). On June 22nd a legislative-style hearing was held at CPUC and SFPUC participated on the Affordability Panel. She noted the hearing concluded with CPUC indicating they would act on the report in some form by October.

   No public comment.

b) Update on Section 541 of H.R. 5952 - Commerce, Justice, Science and Related Agencies Appropriations Act of 2019 related to National Marine Fisheries Service's participation in the Don Pedro and La Grange Hydroelectric Projects licensing proceedings before the Federal Energy Regulatory Commission.
Michael Carlin, Deputy General Manager (DGM), stated copies of letters in opposition to the Rider have been received from Senator Diane Feinstein and Mayor Mark Farrell.

Commissioner Vietor expressed appreciation for Mr. Carlin's work to address the issue and facilitate San Francisco going on record opposing the Rider.

Public Comment

- *Peter Drekmeier thanked Michael Carlin and Emily Lam and their efforts to get San Francisco on record in opposition to the Rider.*
- *Barry Nelson, Golden Gate Salmon Association, thank the Commission and staff for their work to get the letters in opposition. He noted it will help with other anti-salmon riders to come.*

Commissioner Vietor thanked Mr. Drekmeier and Mr. Nelson for bringing the Commission's attention to such matters.

c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

9. *Consent Calendar*
   a) Approve Amendment No. 2 to Agreement No. CS-324.A, Security Consulting and Design Services, with CH2M Hill Engineers, Inc.; and authorize the General Manager to execute this amendment, extending the term by six months for a total agreement duration of four years and six months, with no change to the agreement amount. (Resolution 18-0106)

   No public comment.

   On Motion to approve item 9a:
   Ayes: Kwon, Courtney, Caen, Vietor, and Moran

10. Authorize the General Manager to execute Amendment Two to the Gas Pipeline Cross Bore Agreement with Pacific Gas and Electric Company (PG&E) to extend the term by three and a half years until April 13, 2021, for a total term of six and a half years, to allow PG&E additional time to complete inspection and repair of gas line cross bores through SFPUC sewer facilities.

DGM Carlin introduced the item and stated the extension is needed to allow PG&E to complete their work.

Commissioner Caen expressed surprise that the extension was requested stating the work should have been completed a year and a half ago. DGM Carlin explained reasons for the extension request and indicated the work has taken longer than anticipated. Commissioner Caen stated the length of time to complete the work is taking too long and should be corrected.

DGM Carlin responded to a question from Commissioner Moran as to whether there is a performance standard attached to the agreement, or a schedule of work to be performed to ensure accountability. Commissioner Moran requested a quarterly reporting of work completed and to be completed. Brief discussion ensued.

Commissioner Moran concurred with Commissioner Caen's concern regarding the length of the contract and that work has not been completed and stated he is hesitant to extend the contract. He stated if extended, reporting which shows work is progressing is necessary.

Commissioner Caen indicated performance guidelines must be set before she will vote for the item. GM Kelly, Jr., provided comments on the timeline and scope of work necessary. DGM Carlin provided additional thoughts.

Commissioner Caen requested the item be continued.

DGM Carlin responded to a question from Commissioner Vietor regarding ramifications of continuing the item.

GM Kelly, Jr., asked for clarification on reporting the Commission requested. Commissioners Caen and Moran indicated what they want the reporting to include.

No public comment

On Motion to continue item 10 to July 10:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

11. Confirm and approve the analysis and conclusions set forth in the Revised Water Supply Assessment for the proposed India Basin Project, pursuant to the State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Resolution 18-0107)
Steve Ritchie, AGM Water, introduced the item and request approval.

On Motion to approve item 11:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran
No public comment.

12. Authorize the General Manager to negotiate and execute a grant agreement with the San Francisco Unified School District (SFUSD) for an amount not-to-exceed $370,000, and with a duration of four years, to integrate the SFPUC's *Big Ideas* Science, Technology, Engineering and Math Education Framework into SFUSD science curriculum for all students K-12. (Resolution 18-0108)
Yolanda Manzone, Director of Community Benefits, introduced the item and detailed the framework for the "Big Ideas" curriculum.

Vice President (VP) Courtney expressed support for the item generally, and asked if conversations with students are taking place regarding animal agriculture. Blair Randall, Arts and Education Manager, stated there is no specific mention of animal agriculture in the curriculum, but that watershed pollution is addressed at higher grade levels. VP Courtney stated it is critically important to discuss animal agriculture when it comes to resources and that it should be included in "Big Ideas".

GM Kelly, Jr., clarified that the "Big Ideas" is meant to teach simple basic ideas and there are other ways to incorporate larger issues, such as animal agriculture.

Commissioner Caen stated the "Big Ideas" is a good start. She requested that the Commission see the curriculum and she would like to be a part of curriculum review. Brief discussion ensued.

Commissioner Vietor expressed excitement for the project and asked about the opportunity for updating the curriculum to add watershed center educational opportunities in alignment with the basis curriculum. GM Kelly, Jr., suggested the possibility of outside learning opportunities, such as field trips.

VP Courtney expressed frustration for the Commission not being involved in the process. He noted he and Commissioner Vietor were involved with "Big Ideas" and what was returned was the same information. He emphasized his belief that animal agriculture is the biggest threat to environment and water system.

Commissioner Caen indicated she believes animal agriculture will be part of the overall K-12 curriculum and that it doesn't need to be specifically identified. Ms. Manzone noted the touch-point curriculum in "Big Ideas". Brief discussion ensued.

Commissioner Moran noted the significant range of K-12 education and that the curriculum should be substantive and age appropriate.

President Kwon applauded the program and discussed the importance of the curriculum.

At the request of GM Kelly, Jr., Mr. Randall reviewed the next steps for curriculum development and touchpoints.

Ms. Manzone indicated staff will return to the Commission with a timeline of implementation. Brief discussion followed.

President Kwon indicated he would like to see the Commission "informed" rather than "consulted" and that the educators be allowed to develop the curriculum.

No public comment.

On Motion to approve item 12:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

Commissioner Moran requested a link to the framework on the SFPUC website (http://sfwater.org/index.aspx?page=1077).

13. Approve Amendment No. 3 to Agreement No. CS-242A with Baseline Environmental Consulting, Agreement No. CS-242B with ESA+Orion Joint Venture, and Agreement No. CS-242C with URS Corporation Americas to continue to provide environmental analyses, surveys, and reports, and prepare resource agency permit applications; and authorize the General Manager to negotiate and execute amendments to Agreements Nos. CS-242A–C, increasing each of the three agreements by $4,000,000, for a total not-to-exceed amount of $9,600,000 per agreement, with no change to the contract duration, and for CS-242C only, to execute a name change from URS Corporation Americas to URS Corporation. (Resolution 18-0109)
Irina Torrey, Manger, Bureau of Environmental Management, introduced the item and requested approval.

No public comment.

On Motion to approve item 13:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

14. Approve and authorize the General Manager to execute an Assignment and Assumption Agreement for Agreement No. CS-242D, As-Needed Environmental Support, from RMC Water and Environment to Woodard & Curran, Inc.; approve Amendment No. 3 to Agreement No. CS-242D; and authorize the General Manager to negotiate and execute Amendment No. 3 to CS-242D in an amount of $4,000,000, for a total not-to-exceed agreement amount of $9,600,000, with no change to the agreement duration. (Resolution 18-0110)

No public comment.

On Motion to approve item 14:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

15. Approve Amendment No. 5 to Agreement No. CS-716, Calaveras Dam Replacement, with URS Corporation to provide ongoing engineering support during construction, start-up, and commissioning of the project; and authorize

the General Manager to negotiate and execute Amendment No. 5 increasing the agreement by $2,415,000, for a total agreement amount of $30,915,000, and extending the term by 13 months, for a total agreement duration of 16 years, 10 months, subject to Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0111)

No public comment.

On Motion to approve item 15:
Ayes: Kwon, Courtney, Caen, Vietor, and Moran

16. Other New Business\
None.

17. Adjournment
President Kwon adjourned the meeting at 2:54 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0106**

WHEREAS, On May 13, 2014, this Commission awarded Agreement No. CS-324.A, Security Consulting and Design Services, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement, in the amount of $2,000,000, and with a term of three years, concluding on June 1, 2017, with CH2M Hill Engineers, Inc.; and

WHEREAS, On June 13, 2017, by Resolution No. 17-0131, the Commission approved Amendment No. 1 to extend the agreement term by one year to June 1, 2018, with no change to the agreement amount, in order to provide additional security design and construction support for uncompleted projects; and

WHEREAS, Amendment No. 2 is being requested to extend the agreement term by six months to December 1, 2018, with no change to the agreement amount, in order to provide additional security design and construction support for uncompleted projects; and

WHEREAS, The Contract Monitoring Division (CMD) has established a subconsulting requirement of 9% LBE participation (of the total value of services to be provided) for this agreement; and

WHEREAS, Funds for this agreement are available from each individual project; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to project-funded Agreement No. CS-324.A, Security Consulting and Design Services, with CH2M Hill Engineers, Inc., and authorizes the General Manager of the SFPUC to execute this amendment, with a time extension of six months, for a total agreement duration of four years and six months, with no change to the agreement amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Wood

Secretary, Public Utilities Commission

Glenn Stock

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0107**

WHEREAS, Under the California Environmental Quality Act (CEQA) and California Water Code (Section 10910(g)(1)), the San Francisco Public Utilities Commission (SFPUC) is required to prepare and approve a Water Supply Assessment (WSA) for the cumulative water demands presented by the proposed India Basin Project, which encompasses approximately 38.84 acres in the Bayview Hunters Point neighborhood in San Francisco and is bound by the San Francisco Bay to the north, Earl Street to the east, Innes Avenue to the south, and Hunters Point Boulevard and Hawes Street to the west; and

WHEREAS, The proposed India Basin Project consists of four properties, the first two of which would be developed by BUILD Inc. to include public rights-of-way, residential units, commercial uses, parking, and open space, and the second two of which are publicly owned by the San Francisco Recreation and Parks Department and would be developed to create a publicly accessible network of new and/or improved parkland and open space; and

WHEREAS, A WSA is an informational document that assesses the adequacy of water supplies to serve a proposed project and is required to be prepared as part of the CEQA environmental review process; and

WHEREAS, Approval of a WSA as an informational document is not considered an approval action as defined by CEQA; and

WHEREAS, A WSA must be approved at a public meeting by the governing body of the public water supplier that would serve the proposed project; and

WHEREAS, The SFPUC staff prepared a WSA for the proposed India Basin Project, dated November 17, 2016 ("Original WSA"), which concluded that the SFPUC has adequate water supplies to meet the Project's water demands through 2040, and which was approved by the Commission at its meeting of December 13, 2016 by Resolution No. 16-0255; and

WHEREAS, Since the preparation and approval in December 2016 of the Original WSA, there have been modifications to the proposed India Basin Project resulting in an increase in the Project's estimated water demands determined to be substantial by the SFPUC, and thus necessitating a revision to the WSA under Water Code Section 10910(h); and

WHEREAS, The SFPUC staff prepared a Revised WSA dated May 21, 2018 for the proposed India Basin Project, as modified, which is attached hereto and concludes that the SFPUC has adequate water supplies to meet the Project's water demands through 2040; and

WHEREAS, Upon its approval by the Commission, the Revised WSA will supersede the Original WSA that was prepared for the proposed India Basin Project and approved by the Commission on December 13, 2016 by Resolution No. 16-0255; now, therefore, be it

RESOLVED, This Commission approves the attached Revised Water Supply Assessment, dated May 21, 2018, for the proposed India Basin Project, which encompasses approximately 38.84 acres in the Bayview Hunters Point neighborhood in San Francisco and is bound by the San Francisco Bay to the north, Earl Street to the east, Innes Avenue to the south, and Hunters Point Boulevard and Hawes Street to the west, pursuant to the State of California Water Code Section 10910(g).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

May 21, 2018

TO: Commissioner Ike Kwon, President
Commissioner Vince Courtney, Vice President
Commissioner Ann Moller Caen
Commissioner Francesca Vietor
Commissioner Anson Moran

THROUGH: Harlan L. Kelly, Jr., General Manager

FROM: Steven R. Ritchie, Assistant General Manager, Water

RE: Revised Water Supply Assessment for the India Basin Project

---

1.0 Summary

1.1 Introduction

Under the Water Supply Assessment law (Sections 10910 through 10915 of the California Water Code), urban water suppliers like the San Francisco Public Utilities Commission (SFPUC) must furnish a Water Supply Assessment (WSA) to the city or county that has jurisdiction to approve the environmental documentation for certain qualifying projects (as defined in Water Code Section 10912 (a)) subject to the California Environmental Quality Act (CEQA). The WSA process typically relies on information contained in a water supplier's Urban Water Management Plan (UWMP), and involves answering specific questions related to the estimated water demand of the proposed project. This memo serves as the WSA for the proposed India Basin Project ("proposed project"), for use in the preparation of an environmental impact report by the City and County of San Francisco Planning Department (case no. 2014-002541ENV, San Francisco Planning Department).

This WSA is a revision to and supersedes the WSA that was previously prepared for the same proposed project (dated November 17, 2016; approved December 13, 2016). The WSA was revised to account for modifications to the proposed project, including replacement of the previously proposed school and commercial space with additional housing. The revised water demand estimates for the proposed project are approximately 0.022 million gallons per day (mgd), or 13 percent, higher than previously estimated, but the WSA's conclusions about the sufficiency of water supplies are unchanged.

1.1.1 2015 Urban Water Management Plan

The SFPUC's most current UWMP is the UWMP update for 2015, which was adopted in June 2016. The water demand projections in the UWMP incorporated 2012 Land Use Allocation (LUA 2012) housing and employment growth projections from the San Francisco Planning Department.

The WSA for a qualifying project within the SFPUC's retail service area may use information from the UWMP. Therefore, ***the 2015 UWMP is incorporated via***

Mark Farrell
Ike Kwon
Vince Courtney
Ann Moller Caen
Francesca Vietor
Anson Moran
Harlan L. Kelly, Jr.

references throughout this WSA shown in bold, italicized text. The UWMP may be accessed at www.sfwater.org/uwmp.

1.1.2 Basis for Requiring a WSA for the Proposed Project

The proposed project qualifies for preparation of a WSA under Water Code Section 10912(a) because it is a mixed-use development that, under the Maximum Residential Option, would include more than 500 dwelling units; and under the Maximum Commercial Option, would include more than 250,000 square feet (sf) of commercial office space. Although the proposed project has been the subject of a previous WSA, modifications to the proposed project since preparation and approval of the previous WSA resulted in an increase in the estimated water demand estimates determined to be substantial by the SFPUC. Thus, the proposed project is required to be re-assessed under Water Code Section 10910(h). The proposed project is characterized further in Section 1.2.

1.1.3 Conclusion of this WSA

In this WSA, the SFPUC concludes that there are adequate water supplies to serve the proposed project and cumulative retail water demands during normal years, single dry years, and multiple dry years over a 20-year planning horizon from 2020 through 2040. Additional information on supply sufficiency is provided in Section 4.2, Findings.

1.2 Proposed Project Description

The proposed project encompasses approximately 38.84 acres in the Bayview Hunters Point neighborhood in San Francisco. The site is bound by the San Francisco Bay to the north, Earl Street to the east, Innes Avenue to the south, and Hunters Point Boulevard and Hawes Street to the west.

The proposed project consists of four properties – 700 Innes, 900 Innes, India Basin Shoreline Park, and India Basin Open Space. The 700 Innes property and India Basin Open Space would be developed by BUILD Inc. to include public rights-of-way, residential units, commercial uses, parking, and open space. The 900 Innes property and India Basin Shoreline Park are publicly owned by the San Francisco Recreation and Parks Department and would be developed to create a publicly accessible network of new and/or improved parkland and open space.

The proposed project is flexibly zoned either commercial or residential, meaning that either use could be constructed. For that reason, the EIR for the proposed project is studying both Maximum Residential and Maximum Commercial program options. The Maximum Residential Option would include 1,575 residential dwelling units and 209,106 sf of commercial/retail use within the BUILD development, while the Maximum Commercial Option would include 500 residential dwelling units, 1,000,000 sf of commercial/retail use, and 50,000 sf of institutional/education use within the BUILD development. Both options would include 14,500 sf of commercial/retail use within the Recreation and Parks Department development.

Further details on both the Maximum Residential and Maximum Commercial options are provided in Attachment B. However, for the purpose of the WSA, only the Maximum Residential Option is assessed for water supply as it would result in the most conservative water demand estimate and would encompass the demands estimated for the Maximum Commercial Option.

2.0 Water Supply

This section reviews San Francisco's existing and planned water supplies.

2.1 Regional Water System

See ***Section 3.1 of the UWMP*** for descriptions of the Regional Water System (RWS) and ***Section 6.1 of the UWMP*** for water rights held by City and County of San Francisco and the SFPUC Water System Improvement Program (WSIP).

2.2 Existing Retail Supplies

Retail water supplies from the RWS are described in ***Section 6.1 of the UWMP***.

Local groundwater supplies, including the Westside Groundwater Basin, Central Groundwater Sub Basin, and Sunol Filter Gallery Subsurface Diversions, are described in ***Section 6.2.1 of the UWMP***.

Local recycled water supplies, including the Harding Park Recycled Water Project and Pacifica Recycled Water Project, are described in ***Section 6.2.1 of the UWMP***.

2.3 Planned Retail Water Supply Sources

The San Francisco Groundwater Supply Project is described in ***Section 6.2.2 of the UWMP***.

The proposed Westside and Eastside Recycled Water Projects, as well as non-potable water supplies associated with onsite water systems implemented in compliance with San Francisco's Non-potable Water Ordinance (Health Code Chapter 12C), are also described in ***Section 6.2.2 of the UWMP***.

2.4 Summary of Current and Future Retail Water Supplies

A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in normal years is provided in ***Section 6.2.5 of the UWMP***.

2.5 Dry-Year Water Supplies

A description of dry-year supplies developed under WSIP is provided in ***Section 7.2 of the UWMP***. Other water supply reliability projects and efforts that are currently underway or completed are described in ***Section 7.4 of the UWMP***. A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in multiple dry years are provided in ***Section 7.5 of the UWMP***. For a single dry year, the retail RWS allocation and, thus, the breakdown of water supply sources would be the same as those in a normal year.

3.0 Water Demand

This section reviews the climatic and demographic factors that may affect San Francisco's water use, projected retail water demands, and the demand associated with the proposed project.

3.1 Climate

San Francisco has a Mediterranean climate. Summers are cool and winters are mild with infrequent rainfall. Temperatures in the San Francisco area average 57 degrees Fahrenheit annually, ranging from the mid-40s in winter to the upper 60s in late summer. Strong onshore flow of wind in summer keeps the air cool, generating fog through September. The warmest temperatures generally occur in September and October. Rainfall in the San Francisco area averages about 22 inches per year and is

generally confined to the "wet" season from late October to early May. Except for occasional light drizzles from thick marine stratus clouds, summers are nearly completely dry. A summary of the temperature and rainfall data for the City of San Francisco is included in Table 1.

Table 1: San Francisco Climate Summary

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Monthly Rainfall (inches)
January	58.0	45.7	4.36
February	60.3	47.3	4.41
March	61.4	48.1	2.98
April	62.3	49.1	1.38
May	63.2	50.9	0.68
June	64.8	52.7	0.18
July	65.6	54.3	0.02
August	66.6	55.3	0.06
September	68.1	55.0	0.19
October	67.8	53.3	1.04
November	61.2	48.1	2.85
December	58.3	45.9	4.33
Annual Average	**63.3**	**50.6**	**22.45**

Source: Western Regional Climate Center (www.wrcc.dri.edu), 1981-2010 data from two San Francisco monitoring stations (Mission Dolores/SF#047772 and Richmond/SF#047767).

3.2 Projected Growth

Projections of population growth in the retail service area through 2040 are presented in ***Section 3.2.2 of the UWMP***. The corresponding LUA 2012 projections for housing and employment in San Francisco, which are incorporated into the projected retail water demands, are provided in ***Appendix E of the UWMP***.

3.3 Projected Retail Water Demands

For the 2015 UWMP, the SFPUC developed a new set of models that incorporate socioeconomic factors to project retail demands through 2040. These models incorporate the latest housing and employment projections from LUA 2012. ***See Section 4.1 of the UWMP*** for tabulated retail water demand projections through 2040 and a description of the model methodology.

3.4 Proposed Project Water Demand

BUILD Inc.'s engineer consultants provided a memo describing the methods and assumptions used to estimate the water demand of the proposed project, along with the resulting demand (Attachment B). The SFPUC reviewed the memo to ensure that the methodology is appropriate for the types of proposed water uses, the assumptions are valid and thoroughly documented along with verifiable data sources, and a professional standard of care was used. The SFPUC concluded that the demand estimates provided by BUILD Inc.'s consultants are reasonable. Water demand associated with the proposed project over the 20-year planning horizon is shown in the following table.

Table 2: Water Demand Based on Project Phasing

Demand of Proposed Project (mgd)	2020	2025	2030	2035	2040
Potable Demand	0.079	0.132	0.132	0.132	0.132
Non-potable Demand	0.048	0.063	0.063	0.063	0.063
Total Demand	0.127	0.195	0.195	0.195	0.195

mgd = million gallons per day

Notes:
The estimates above reflect the Maximum Residential Option. The BUILD development portion of the proposed project would be constructed in two phases, with Phase 1 completed by 2020 and Phase 2 completed by 2025. The Recreation and Parks Department development portion would be constructed in one phase and completed by 2020.

The San Francisco Planning Department has determined that the proposed project is encompassed within the projections presented in LUA 2012 as indicated in the letter from the Planning Department to the SFPUC (Attachment A). Therefore, the demand of the proposed project is also encompassed within the San Francisco retail water demands that are presented in ***Section 4.1 of the UWMP***, which considers retail water demand based on the LUA 2012 projections. The following table shows the demand of the proposed project relative to total retail demand.

Table 3: Proposed Project Demand Relative to Total Retail Demand

	2020	2025	2030	2035	2040
Total Retail Demand (mgd)[1]	77.5	79.0	82.3	85.9	89.9
Total Demand of Proposed Project (mgd)	0.127	0.195	0.195	0.195	0.195
Portion of Total Retail Demand[2]	0.16%	0.25%	0.24%	0.23%	0.22%

Notes:
1. Retail water demands per ***Table 4-1 of the UWMP***.
2. The proposed project is accounted for in the LUA 2012 projections and subsequent retail water demand projections.

4.0 Conclusion

4.1 Comparison of Projected Supply and Demand

Section 7.5 of the UWMP compares the SFPUC's retail water supplies and demands through 2040 during normal year, single dry-, and multiple dry-year periods. See Table 4, below, which is adapted from the UWMP (Table 7-4). As explained previously in Section 3.4, water demands associated with the proposed project are already captured in the retail demand projections presented in the UWMP. The proposed project is expected to represent up to 0.25 percent of the total retail water demand.

Table 4: Projected Supply and Demand Comparison (mgd)

		Normal Year	Single Dry Year[1]	Multiple Dry Years		
				Year 1[1]	Year 2[2]	Year 3[2]
2020	Total Retail Demand[3]	77.5	77.5	77.5	77.5	77.5
	Total Retail Supply[4]	77.5	77.5	77.5	77.5	77.5
	Surplus/(Deficit)	0	0	0	0	0
2025	Total Retail Demand[3]	79.0	79.0	79.0	79.0	79.0
	Total Retail Supply[4]	79.0	79.0	79.0	79.0	79.0
	Surplus/(Deficit)	0	0	0	0	0
2030	Total Retail Demand[3]	82.3	82.3	82.3	82.3	82.3
	Total Retail Supply[4]	82.3	82.3	82.3	82.3	82.3
	Surplus/(Deficit)	0	0	0	0	0
2035	Total Retail Demand[3]	85.9	85.9	85.9	85.9	85.9
	Total Retail Supply[4]	85.9	85.9	85.9	85.9	85.9
	Surplus/(Deficit)	0	0	0	0	0
2040	Total Retail Demand[3]	89.9	89.9	89.9	89.9	89.9
	Total Retail Supply[4]	89.9	89.9	89.9	88.8	88.8
	Surplus/(Deficit)	0	0	0	(1.1)	(1.1)

Notes:
1. During a single dry year and multiple dry year 1, a system-wide shortage of 10% is in effect. Under the Water Shortage Allocation Plan (WSAP), the retail supply allocation at this stage of shortage is 36.0% of available RWS supply, or 85.9 mgd. However, due to the Phased WSIP Variant, only 81 mgd of RWS supply can be delivered. RWS supply is capped at this amount.
2. During multiple dry years 2 and 3, a system-wide shortage of 20% is in effect. Under the WSAP, the retail supply allocation at this stage of shortage is 37.5% of available RWS supply, or 79.5 mgd. RWS supply is capped at this amount.
3. Total retail demands correspond to those in ***Table 4-1 of the UWMP***, and reflect both passive and active conservation, as well as water loss.
4. Total retail supplies correspond to those in ***Table 6-7 of the UWMP***. Procedures for RWS allocations and the WSAP are described in ***Section 8.3 of the UWMP***. Groundwater and recycled water are assumed to be used before RWS supplies to meet retail demand. However, if groundwater and recycled water supplies are not available, up to 81 mgd, or the corresponding capped amount in dry years, of RWS supply could be used.

The LUA 2012 projections result in a retail demand in 2035 of 85.9 mgd, which represents a 5.0 mgd, or 6 percent, increase over the 2035 demand projected in the 2010 UWMP. The ability to meet the demand of the retail customers is in large part due to development of 10 mgd of local WSIP supplies, including conservation, groundwater, and recycled water. These supplies are anticipated to be fully implemented over the next 10 to 15 years.

If planned future water supply projects (i.e., San Francisco Groundwater Supply Project, Westside Recycled Water Project, Eastside Recycled Water Project, and onsite non-potable supplies) are not implemented, normal-year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during normal years, the SFPUC may import additional water from the RWS beyond the retail allocation of 81 mgd, with mitigation implemented by the SFPUC and potential environmental surcharges if RWS deliveries exceed the 265 mgd interim supply limitation.

If dry-year supply projects (i.e., Calaveras Dam Replacement Project, Lower Crystal Springs Dam Improvements Project, Alameda Creek Recapture, Regional

Groundwater Storage and Recovery Project, and water transfers) are not implemented, existing dry year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during dry years, the SFPUC may reduce system deliveries and impose customer rationing.

The SFPUC remains committed to meeting the level of service goals and objectives outlined under WSIP. In addition, the SFPUC continues to explore other future supplies, including:

- Development of additional conservation and recycling.
- Development of additional groundwater supplies.
- Securing of additional water transfer volumes.
- Increasing Tuolumne River supply.

4.2 Findings

Regarding the availability of water supplies to serve the proposed project beginning in 2020, the SFPUC finds, based on the entire record before it, as follows:

- During normal years, single dry years, and multiple dry years, the SFPUC has sufficient water supplies to serve the proposed project.
- With the addition of planned retail supplies, the SFPUC has sufficient water supplies available to serve its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development.

Approval of this WSA by the Commission is not equivalent to approval of the development project for which the WSA is prepared. A WSA is an informational document required to be prepared for use in the City's environmental review of a project under CEQA. It assesses the adequacy of water supplies to serve the proposed project and cumulative demand.

Furthermore, this WSA is not a "will serve" letter and does not verify the adequacy of existing distribution system capacity to serve the proposed project. A "will serve" letter and/or hydraulic analysis must be requested separately from the SFPUC City Distribution Division to verify hydraulic capacity.

If there are any questions or concerns, please contact Steve Ritchie at (415) 934-5736 or SRitchie@sfwater.org.

Attachment A –

Communications from San Francisco Planning Department

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: June 13, 2013

TO: SF Planning EP Planners & SFPUC Planners

FROM: Scott T. Edmondson, AICP; Aksel Olsen

RE: Project Types Represented in the Land Use Allocation

This Memorandum explains the Planning Department's Land Use Allocation (LUA) and the types of projects included in the LUA. The 2012 LUA is the most recent update and uses the Association of Bay Area Governments' (ABAG) May 2012 Jobs-Housing Connection Scenario. As this memorandum explains, the Planning Department expects that the LUA will encompass the vast majority of development proposals that project sponsors will present to the Planning Department. This memorandum also identifies possible unusual circumstances under which EP Planners and the SF PUC Planners may want to consult further with the Planning Department's Information and Analysis Group to determine whether a project is encompassed within the LUA.

ABAG's Projections of San Francisco's Economic Growth and the LUA

The LUA takes ABAG's 30-year projections of citywide household and job growth and allocates them to smaller geographic units, in this case, the traffic analysis zones of the SF Transportation Authority's Countywide Transportation Model. Thus, the LUA does not project growth but simply allocates ABAG's growth projections to subarea locations within the city. The current 2012 LUA uses ABAG's Jobs-Housing Connection Scenario projections for San Francisco and covers the period from 2010 to 2040; these projections were released in May 2012 and are represented in five-year increments.

ABAG derives its demographic and economic growth projections from assumptions about long-term demographic and economic growth.[1] ABAG maintains its own set of regional models and develops each forecast with its in-house experts and private economic consultants.[2] The forecasting is informed by the best information and assumptions available through federal and State agencies, such as the State Department of Finance, and private sources. However, ABAG develops its forecast based on local knowledge from over 50 years of forecasting and develops the forecast to reflect local conditions in contrast to more general forecasting assumptions of State or federal sources. ABAG's estimate of total citywide growth for the 30-year period is expected to best represent actual growth at the end of the 30-year period. However, projected growth for any portion of the projection period, such as growth in a one-year or a five-year period, would be expected to vary from actual growth in such periods. Within the 30-year growth projection period, higher than average growth periods could be followed by lower than average growth periods such that growth over the period would ultimately equal the projected 30-year

total. All projection methodologies make assumptions based on the best available information at the time. To minimize the effects of imprecision intrinsic to any projections methodology when used in for planning decisions, ABAG follows professional best practices and updates its projections every two years. Accordingly, the Planning Department updates its LUA every two years. The planning practice of frequently updating projections and plans allows the incorporation of new information over time to provide for the most up-to-date projections.

The SFPUC updates its Urban Water Management Plan (UWMP) every five years. The UWMP typically relies on LUA projections or similar information. But, because the LUA is updated every two years, the SFPUC may want to review the LUA issued within SFPUC's 5-year UWMP cycle; and if it varies in a significant way from the SFPUC's projections used in its UWMP, discuss with Planning whether it should make any changes in its own water supply needs assessment during an UWMP cycle.

Types of Projects Included in the LUA

The LUA translates ABAG's projected household and job growth into total expected development in San Francisco over a 30-year period. The LUA translates ABAG's household growth into residential housing units and ABAG's job growth into commercial space.[3] Thus, the LUA projections of housing units and commercial space include all project types expected from San Francisco growth, such as housing, office, retail, production-distribution-repair (PDR), visitor, and cultural-institutional-educational (CIE). The LUA does not exclude any project type or potential growth. As such, the LUA and the ABAG economic projections upon which it is based contain the best estimates available of reasonably foreseeable growth and development in San Francisco over a 30-year period.

Unusual Circumstances

The LUA can be considered to include all reasonably expected growth and development and it is frequently updated to correct for expected variations. Nevertheless, there are possible unusual circumstances under which the EP Planners or SFPUC Planners may want to request further Planning Department consultation with the Information and Analysis Group to determine if a particular project falls within the LUA. ABAG's projections and the Department's LUA take into account urban economic trends and based on that information capture all reasonably foreseeable growth in San Francisco. Limited capital and aggregate demand of any urban economy constrains growth. However, occasionally the reality or perception may arise that a project lies outside the normal growth constraints of the San Francisco economy for some reason, and therefore lies outside ABAG's projection's and the Department's current spatial allocation in its LUA.

One can envision the rare case of a project arising outside the City's economy (demand and capital) from an organization not located in San Francisco using nonprofit foundation funds or private donations to construct a large institutional project in San Francisco, such as a major hospital, a university, or an office complex. These projects would represent spending and demand beyond that normally active in the San Francisco economy, and therefore represent net additions to projected growth beyond that captured by ABAG's projections and reflected in the Department's LUA. Indicative characteristics of such projects

would include those with non-local sponsors, of large size, and for an institutional land use. Alternatively, very large project proposals from local project sponsors active in the SF economy involving a large site, land assembly, a planned unit development (PUDs), master plans, or area plan and rezoning proposals may warrant individual assessment for a range of reasons even though they are likely captured in ABAG's projections and the LUA. Such projects would be similar to recent projects such as Hunters Point/Candlestick, Park Merced, Treasure Island, Pier 70 Master Plan, Eastern Neighborhoods, or the Transit Center District Plan.

The bi-annual update of ABAG's projections and the LUA would be able to capture development associated with such projects. However, should such a project be proposed between updates, the EP Planners and SFPUC could treat its appearance as sufficient cause to request the Planning Department's assistance in determining whether to consider the project outside the latest LUA projections.

---

[1] Please see ABAG's summary of its research and forecasting on its website: http://www.abag.ca.gov/planning/research/index.html

[2] ABAG describes its current Jobs-Housing Scenario policy-based forecast here: http://onebayarea.org/pdf/JHCS/May_2012_Jobs_Housing_Connection_Strategy_Appendices_Low_Res.pdf.

[3] The LUA citywide totals only differ slightly, up to within one percent of ABAG totals (+/-). The difference is produced by LUA's complex method of translating ABAG projections into development (residential units and commercial space) and allocating total citywide growth to subarea locations. The minor difference between the LUA and ABAG citywide totals is real in absolute terms, but not in the sense that they are different projections. The one percent difference does not constitute a difference of projections. ABAG and MTC consider variation of one percent in citywide totals, plus or minus, as sufficiently representing ABAG's projections for consistency with the MTC regional projections and modeling purposes (congestion management, etc.). Even if a few versions of the LUA must be done to make minor subarea spatial allocation corrections, as long as the LUA's citywide totals are within one percent of ABAG's projections, and ABAG's projections have not changed, the LUA citywide totals have not effectively changed either. Any of those LUA versions' citywide totals fully represent the same unchanged ABAG projection totals.

Attachment B –

India Basin Project Demand Memo

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: May 16, 2018

TO: Fan Lau, SFPUC

FROM: Chris Thomas, Environmental Planning

CC: Michael Li, Environmental Planning

RE: India Basin Project Water Supply Assessment Request
(Planning Department Case No. 2014-002541ENV)

The purpose of this memorandum is to request that the San Francisco Public Utilities Commission (SFPUC) determine if an updated Water Supply Assessment (WSA) is required for the revised India Basin project, in compliance with CEQA Guidelines Section 15155 and Sections 10910 through 10915 of the California Water Code.

The SFPUC approved a WSA on December 13, 2016 for the India Basin project. In February 2018, the project sponsor proposed some modifications that would change the water demand for the project. The overall square footage of commercial space was decreased, and the overall number of dwelling units was increased. The SFPUC reviewed these modifications and determined that the revised project would not require an updated WSA.

In April 2018, the project sponsor proposed a second set of modifications that would change the water demand for the project. The proposed school and some commercial space would be replaced with dwelling units. These modifications would be in addition to the February 2018 modifications that were previously reviewed by the SFPUC.

Both the February 2018 and April 2018 modifications to the proposed project only apply to the Maximum Residential Option. These proposed modifications do not apply to the Maximum Commercial Option.

The project sponsor has provided project information intended to meet the requirements outlined in the SFPUC guidance memo dated September 6, 2016. A summary of the project description, proposed average daily water demands for 2015, 2020 and 2025, and supporting tables prepared by the project sponsor's consultant, are attached.

Should you have questions or need additional information from the Planning Department or the project sponsor, please contact me at 415-575-9036 or christopher.thomas@sfgov.org.

Exhibits

April 2018 Project Summary Table

April 2018 Revised Water Demand Calculations

February 2018 SFPUC Determination

Proposed Feature	DEIR Proposed Project	Revised Proposed Project	Difference	Updated Revised Proposed Project	Difference	Cumulative Difference
Residential Space	1,240,100 gsf	1,276,324 gsf	+36,224 gsf	1,356,324 gsf	+80,000 gsf	+116,224 gsf
(# of units)	(1,240 units)	(1,375 units)	(+135 units)	(1,575 units)	(+200 units)	(+335 units)
Commercial Space—retail, office, R&D	275,330 gsf	239,106 gsf	-36,224 gsf	209,106 gsf	-30,000 gsf	-66,224 gsf
Institutional/Educational Space	50,000 gsf	50,000 gsf	0 gsf	0 gsf	-50,000 gsf	-50,000 gsf
Parking Space	679,900 gsf	679,900 gsf	0 sq. ft.	679,900 gsf	0 gsf	0 sq. ft
(# of spaces)	(1,800 spaces)	(1,800 spaces)	0 sq. ft.	1800 spaces	0 gsf	0 sq. ft
Publicly Accessible Recreation/Open Space (# of acres)	1,067,220 sq. ft.	1,067,220 sq. ft.	0 sq. ft.	1,067220 sq. ft.	0 sq. ft.	0 sq. ft
	(24.5 acres)	(24.5 acres)	0 acres	(24.5 acres)	0 acres	0 acres
Total Space	**3,312,550 gsf**	**3,312,550 gsf**	**0 gsf**	**3,312,550 gsf**	**0 gsf**	0 gsf
Building Heights	160 feet	160 feet	0 feet	160 feet	0 feet	0 feet
(# of floors)	(14 floors)	(14 floors)	0 feet	(14 floors)	0 feet	0 feet
Building Footprint	422,532 gsf	422,532 gsf	0 gsf	422,532 gsf	0 gsf	0 gsf
(# of acres)	(9.7 acres)	(9.7 acres)	0 acres	(9.7) acres	0 acres	0 acres
# of Bike Spaces	1,240 spaces	1,375 spaces	+135 spaces	1,575 spaces	+200 spaces	+335 spaces

The proposed modifications shown in column E only apply to the Maximum Residential Option. These proposed modifications do not apply to the Maximum Commercial Option.

BKF 100+ YEARS

ENGINEERS . SURVEYORS . PLANNERS *Delivering Inspired Infrastructure*

MEMORANDUM

Date: July 18, 2016
Revised September 16, 2016
Revised October 10, 2016
Revised November 2, 2016
Revised January 10, 2018
Revised April 17, 2018

BKF Job Number: 20140069

To: Courtney Pash, BUILD
Victoria Lehman, BUILD

From: Tom Morse, BKF
Ryan Bernal, BKF

Subject: **India Basin – Water Demands Memorandum**

PURPOSE

The purpose of this memorandum is to provide a summary of proposed potable and non-potable water demands associated with the India Basin Project ("Project").

BACKGROUND

The Project encompasses approximately 38.84 acres in the Bayview Hunters Point neighborhood in San Francisco. The site is bound by the San Francisco Bay to the north, Earl Street to the east, Innes Avenue to the south, and Hunters Point Boulevard and Hawes Street to the west.

The Project consists of four properties – 700 Innes, 900 Innes, India Basin Shoreline Park, and India Basin Open Space. The 700 Innes property and India Basin Open Space would be developed by BUILD to include public rights-of-way, residential units, commercial uses, a school, parking, and open space ("Build Development"). The 900 Innes property and India Basin Shoreline Park are publicly owned by the San Francisco Recreation and Parks Department (RPD) and would be developed to create a publicly accessible network of new and/or improved parkland and open space ("RPD Development").

The Project is flexibly zoned either commercial or residential, meaning that either use could be constructed. For that reason, the India Basin EIR is studying both maximum residential and maximum commercial program options for the project. The program options propose to include the following:

Maximum Residential Option

	Build Development	RPD Development
Residential	1,575 units	-
Commercial/Retail	209,106 sf	14,500 sf
Institutional/Education	-	-

Maximum Commercial Option

	Build Development	RPD Development
Residential	500 units	-
Commercial/Retail	1,000,000 sf	14,500 sf
Institutional/Education	50,000 sf	-

Potable water supply is currently available from a domestic water main in Innes Avenue. The project site is within the City's designated recycled water use area. A non-potable water system is not currently available within the project limits. As required by the City's Recycled Water Ordinance, the project will install a non-potable water system and connect to the potable water system in the interim condition with approved backflow devices. In order to provide a conservative estimate of future water demands for the Project, this memorandum does not assume compliance with the Non-Potable Water Ordinance (Ordinance 109-15). However, the Project is subject to the requirements of the Non-Potable Water Ordinance and will comply.

EXISTING POTABLE AND NON-POTABLE WATER DEMAND

Table 1 shows the existing potable water demands for the Project based on the onsite existing buildings and their approximate square footages. Since existing billing data was not available to compute the existing potable water demands, higher unit demands were used to account for older, less efficient fixtures in the existing condition. This memorandum uses a residential potable water unit demand of 150 gallons per day per dwelling unit and a commercial/retail potable water unit demand of 0.15 gallons per day per square foot. There is no existing non-potable water demand since the site is not currently served by a non-potable water system.

PROPOSED POTABLE AND NON-POTABLE WATER DEMAND

Potable and non-potable water demand calculations are included as attachments to this memorandum.

Table 2 and Table 3 calculate demands for the maximum residential and maximum commercial options with no recycled water available at the start of the project. Potable water demand is based on demands for residential, commercial/retail, institutional/education, landscape irrigation and cooling water uses.

Table 4 and Table 5 calculate demands for the maximum residential and maximum commercial options with recycled water available for the project. Potable water demand is based on demands for residential, commercial/retail, and institutional/education uses. Non-potable water demand is based on toilet flushing, landscape irrigation and cooling water uses.

Residential potable water unit demand was based on 90 gallons per day per dwelling unit. This unit demand assumes 45 gallons per capita per day and 2.0 residents per dwelling unit. Residential recycled water unit demand for toilet flushing was based on 6.4 gallons per capita day (assumed 5 flushes per day per person at 1.28 gallons per flush) and 2.0 residents per dwelling unit. These unit demands are consistent with the "San Francisco Public Utilities Commission Water Enterprise 2015 Retail Water Conservation Plan" report ("Water Report"), prepared by RMC. The Water Report provides projections of potable water demand for the years through 2040 and projects that, through normal replacement of plumbing fixtures and appliances, most or all residences will have plumbing fixtures and appliances that meet the current plumbing code by that time. Table 1 of the Water Report identifies a unit demand of 43 to 45 gallons per capita day through the year 2040. This memorandum uses 45 gallons per capita day, which is slightly conservative. Appendix B, Pages 21-23, of the Water Report identifies a unit demand of 2.0 residents per dwelling unit for multifamily units.

Commercial and retail potable water unit demand was based on 0.07 gallons per day per square foot. Commercial and retail recycled water unit demand for toilet flushing was assumed to be 50 percent of the total water demand; 0.035 gallons per day per square foot is used for this analysis. This demand rate was calculated by the following methodology. Prior to 2008 and adoption of the California Green Building Standards ("Code"), 0.10 gallons per day per square foot was a generally accepted water demand used for office/commercial space. Currently, the Code requires calculation of a baseline demand and then requires a 25% reduction from baseline. In order to account for conservation and implementation of the Code, we applied the 25% reduction to 0.10 gallons per day per square foot, resulting in a unit demand of 0.075 gallons per day per square foot.

Institutional/education potable water unit demand is 0.07 gallons per square foot and is assumed to be consistent with commercial and retail potable water unit demand. Similar to the commercial and retail recycled water unit demand, institutional/education recycled water unit demand for toilet flushing was assumed to be 50 percent of the total water demand; 0.035 gallons per day per square foot is used for this analysis.

Irrigation demands for the Build Development were provided by Bionic (attached, Appendix A). The demand includes irrigation for the development parcels, public streets and open space. Since Bionic's calculations considered a 7-month irrigation period, the total annual irrigation demand was divided by 365 days in order to consider a year-round irrigation period. Irrigation demands for the RPD Development were provided by MKA (attached, Appendix B).

Cooling demands for the Build Development were provided by Glumac and were calculated from a site mass model using eQuest, an energy simulation program. A nominal unit demand of 1.37 gallons per ton-hour was used to convert the ton-hour output from the model. Cooling demands for the RPD Development are expected to be small compared to the overall project demand and was noted as zero for this analysis.

CONCLUSION

Below are summary tables for proposed average daily water demands, with and without recycled water uses, which are required by the Project. These demands are broken down by the year 2015, 2020, and 2025 to match the time divisions used in the City's Urban Water Management Plan. The Build Development is expected to be constructed in two phases, with Phase 1 completed by 2020 and Phase 2 completed by 2025. The RPD Development is expected to be completed in one phase (2020). Appendix C illustrates the proposed phasing plan for the Build Development.

Cumulative Potable Water Demand without Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	126,551	195,406
Maximum Commercial	0	100,548	159,682

Cumulative Recycled Water Demand without Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	0	0
Maximum Commercial	0	0	0

Cumulative Potable Water Demand with Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	78,830	132,077
Maximum Commercial	0	36,086	78,518

Cumulative Recycled Water Demand with Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	47,721	63,329
Maximum Commercial	0	64,462	81,164

ATTACHMENTS

- Table 1 – Existing Potable Water Demand
- Table 2 – Maximum Residential Without Recycled Water
- Table 3 – Maximum Commercial Without Recycled Water
- Table 4 – Maximum Residential With Recycled Water
- Table 5 – Maximum Commercial With Recycled Water
- Appendix A – India Basin Landscape Water Demand Calculations, prepared by Bionic, dated September 27, 2016
- Appendix B – India Basin Park Concept Design Preliminary Water Demands Memo, prepared by MKA, dated July 6, 2016
- Appendix C – Phasing Plan

TABLE 1: EXISTING WATER DEMAND[1]

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)	Average Daily Demand (gpd)	Average Daily Demand (gpm)
RESIDENTIAL[2]	5 du	150.0 gpd/du	750	1	0	0
COMMERCIAL/RETAIL[3]	13,310 sf	0.15 gpd/sf	1,997	2	0	0
EXISTING WATER DEMAND TOTALS			2,747	3	0	0

TOTAL DEMANDS	**2,747**	**3**	**0**	**0**

Notes:

1 The onsite existing buildings and their uses are based on information documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

2 Existing residential potable water demand based on 150.0 gpd/du. The approximately 11,600 sf of existing residential use was assumed to be equivalent to 5 dwelling units for this analysis.

3 Existing commerical and retail potable water demand based on 0.15 gpd/sf.

TABLE 2: MAXIMUM RESIDENTIAL WITHOUT RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	1,575 du	90.0	gpd/du	141,750	99	0	0
COMMERCIAL/RETAIL[4]	209,106 sf	0.07	gpd/sf	14,638	11	0	0
INSTITUTIONAL/EDUCATION[4]	sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	20,455	14	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	2,699	2	0	0
700 INNES DEMAND TOTALS				**179,542**	**126**	**0**	**0**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	9,848	7	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**9,848**	**7**	**0**	**0**

BUILD DEVELOPMENT DEMANDS				**189,390**	**133**	**0**	**0**

TABLE 2: MAXIMUM RESIDENTIAL WITHOUT RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	335	0	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	102	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[8]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			779	1	0	0

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	2,206	2	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	205	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[8]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			5,237	4	0	0

RPD DEVELOPMENT DEMANDS	**6,016**	**4**	**0**	**0**

TOTAL DEMANDS	**195,406**	**137**	**0**	**0**
Existing Demands[7]	2,747	3	0	0
NET INCREASE	**192,659**	**134**	**0**	**0**

Notes:

1 "Maximum Residential Without Recycled Water" represents a maximum residential development with no recycled water available at the start of the project.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.07 gpd/sf.
Institutional/education also assumes potable water demand based on 0.07 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Refer to Table 1 for existing demands calculations.

8 Water demand for RPD Development provided by MKA.

9 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 3: MAXIMUM COMMERCIAL WITHOUT RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	500 du	90.0	gpd/du	45,000	32	0	0
COMMERCIAL/RETAIL[4]	1,000,000 sf	0.07	gpd/sf	70,000	49	0	0
INSTITUTIONAL/EDUCATION[4]	50,000 sf	0.07	gpd/sf	3,500	3	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	20,455	14	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	4,863	4	0	0
700 INNES DEMAND TOTALS				**143,818**	**102**	**0**	**0**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	9,848	7	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**9,848**	**7**	**0**	**0**

BUILD DEVELOPMENT DEMANDS	**153,666**	**109**	**0**	**0**

TABLE 3: MAXIMUM COMMERCIAL WITHOUT RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	335	0	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	102	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[8]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**779**	**1**	**0**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	2,206	2	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	205	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[8]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**5,237**	**4**	**0**	**0**

RPD DEVELOPMENT DEMANDS	**6,016**	**4**	**0**	**0**

TOTAL DEMANDS	**159,682**	**113**	**0**	**0**
Existing Demands[7]	2,747	3	0	0
NET INCREASE	**156,935**	**110**	**0**	**0**

Notes:

1 "Maximum Commercial Without Recycled Water" represents a maximum commercial development with no recycled water available at the start of the project.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.07 gpd/sf.
Institutional/education also assumes potable water demand based on 0.07 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Refer to Table 1 for existing demands calculations.

8 Water demand for RPD Development provided by MKA.

9 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 4: MAXIMUM RESIDENTIAL WITH RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	1,575 du	90.0	gpd/du	121,590	85	20,160	14
COMMERCIAL/RETAIL[4, 7]	209,106 sf	0.07	gpd/sf	7,319	6	7,319	6
INSTITUTIONAL/EDUCATION[4, 7]	sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	20,455	14
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	2,699	2
700 INNES DEMAND TOTALS				**128,909**	**91**	**50,633**	**36**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	9,848	7
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**0**	**0**	**9,848**	**7**

BUILD DEVELOPMENT DEMANDS				**128,909**	**91**	**60,481**	**43**

TABLE 4: MAXIMUM RESIDENTIAL WITH RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	335	0
WATER FEATURE[10]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	102	0
CONCESSION[10]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[10]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**342**	**0**	**437**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	2,206	2
WATER FEATURE[10]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	205	0
CONCESSION[10]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[10]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**2,826**	**2**	**2,411**	**2**

RPD DEVELOPMENT DEMANDS	**3,168**	**2**	**2,848**	**2**

TOTAL DEMANDS	**132,077**	**93**	**63,329**	**45**
Existing Demands[8]	2,747	3	0	0
NET INCREASE	**129,330**	**90**	**63,329**	**45**

Notes:

1 "Maximum Residential With Recycled Water" represents a maximum residential development with recycled water available for the project. Recycled water uses include toilet flushing, landscape irrigation, and cooling water.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.035 gpd/sf.
Institutional/education also assumes potable water demand based on 0.035 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Recycled water demand for residential toilet flushing based on 2.0 residents per dwelling unit and 6.4 gpcd for recycled water toilets, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.
Recycled water demand for commercial and retail toilet flushing based on 0.035 gpd/sf.
Institutional/education also assumes toilet flushing based on 0.035 gpd/sf.

8 Refer to Table 1 for existing demands calculations.

9 Since recycled water will be used to supplement the potable water supply, the recycled water demand was subtracted from the total potable water demands shown in Table 1.

10 Water demand for RPD Development provided by MKA.

11 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 5: MAXIMUM COMMERCIAL WITH RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	500 du	90.0	gpd/du	38,600	27	6,400	5
COMMERCIAL/RETAIL[4, 7]	1,000,000 sf	0.07	gpd/sf	35,000	25	35,000	25
INSTITUTIONAL/EDUCATION[4, 7]	50,000 sf	0.07	gpd/sf	1,750	2	1,750	2
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	20,455	14
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	4,863	4
700 INNES DEMAND TOTALS				**75,350**	**54**	**68,468**	**50**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	9,848	7
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**0**	**0**	**9,848**	**7**

BUILD DEVELOPMENT DEMANDS				**75,350**	**54**	**78,316**	**57**

TABLE 5: MAXIMUM COMMERCIAL WITH RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	335	0
WATER FEATURE[10]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	102	0
CONCESSION[10]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[10]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**342**	**0**	**437**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	2,206	2
WATER FEATURE[10]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	205	0
CONCESSION[10]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[10]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**2,826**	**2**	**2,411**	**2**

RPD DEVELOPMENT DEMANDS	**3,168**	**2**	**2,848**	**2**

TOTAL DEMANDS	**78,518**	**56**	**81,164**	**59**
Existing Demands[8]	2,747	3	0	0
NET INCREASE	**75,771**	**53**	**81,164**	**59**

Notes:

1 "Maximum Commercial With Recycled Water" represents a maximum commercial development with recycled water available for the project. Recycled water uses include toilet flushing, landscape irrigation, and cooling water.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.035 gpd/sf.
Institutional/education also assumes potable water demand based on 0.035 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Recycled water demand for residential toilet flushing based on 2.0 residents per dwelling unit and 6.4 gpcd for recycled water toilets, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.
Recycled water demand for commercial and retail toilet flushing based on 0.035 gpd/sf.
Institutional/education also assumes toilet flushing based on 0.035 gpd/sf.

8 Refer to Table 1 for existing demands calculations.

9 Since recycled water will be used to supplement the potable water supply, the recycled water demand was subtracted from the total potable water demands shown in Table 1.

10 Water demand for RPD Development provided by MKA.

11 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

APPENDIX A

India Basin Landscape Water Demand Calculations 9.27.2016
OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	178,893	0.5	1,065	7,965
TOTAL	178,893			7,965

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	323,693	1.0	3,853	28,824
TOTAL	323,693			28,824

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	1,823	0.5	11	81
TOTAL	1,823			81

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	125,479	0.5	747	5,587
TOTAL	125,479			5,587

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	37,930	0.5	226	1,689
TOTAL	37,930			1,689

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	106	0.71	25.53	2,706
STREETS	487	0.32	10.46	5,094
TOTAL	593			7,800

DAILY IRRIGATION DEMAND (GAL/DAY)	**51,946**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**11,060,179**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool
*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

India Basin Landscape Water Demand Calculations 9.27.2016

IBOS OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	164,195	0.5	977	7,311
TOTAL	164,195			7,311

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	105,021	1.0	1,250	9,352
TOTAL	105,021			9,352

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	0	0.5	0	0
TOTAL	0			0

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	2,048	0.5	12	91
TOTAL	2,048			91

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	0	0.5	0	0
TOTAL	0			0

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	5	0.71	25.53	128
STREETS	0	0.32	10.46	0
TOTAL	5			128

TOTAL IRRIGATION DEMAND - GALLONS/DAY	**16,881**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**3,594,308**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool

*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

India Basin Landscape Water Demand Calculations 9.27.2016
700 INNES OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	14698	0.5	87	654
TOTAL	14,698			654

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	218672	1.0	2,603	19,472
TOTAL	218,672			19,472

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	1,823	0.5	11	81
TOTAL	1,823			81

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	123432	0.5	735	5,496
TOTAL	123,432			5,496

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	37,930	0.5	226	1,689
TOTAL	37,930			1,689

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	101	0.71	25.53	2,579
STREETS	487	0.32	10.46	5,094
TOTAL	588			7,673

TOTAL IRRIGATION DEMAND - GALLONS/DAY	**35,065**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**7,465,880**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool
*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

APPENDIX B

Memo

MAGNUSSON
KLEMENCIC
ASSOCIATES

Structural + Civil Engineers

1301 Fifth Avenue, Suite 3200 Seattle Washington 98101-2699 T: 206 292 1200 F: 206 292 1201 W: www.mka.com

TO	Ashley Ludwig - GGN	DATE	7/12/2016
FROM	Drew Gangnes	PAGE	1 OF 1
PROJECT	**India Basin Park Concept Design**	PROJECT #	A2960.50
SUBJECT	Preliminary Water Demands		

This memo summarizes MKA's preliminary assessment of water demands for the new India Basin Park project.

Background

MKA has been providing civil engineering consulting to GGN as they prepare the conceptual design for a new India Basin Park. The new park will encompass the combined land area of the existing India Basin Shoreline Park (IBSP) and the 900 Innes site. The water demands noted in this memo are based on the conceptual park design and program provided by GGN.

Preliminary Water Demands

Table 1 summarizes the preliminary water demands for the project, with a breakdown by IBSP and 900 Innes sites. The "potable" column is an accounting of which demands must be served by potable, city water vs those that might be served by recycled water in the event that recycled water is available at the site.

Table 1. Preliminary Water Demands

Park Component	Total *gal/year*	IBSP *gal/year*	900 INNES *gal/year*	Potable
Irrigation	927,344	805,029	122,315	N
Water Feature Top-off	83,516	69,117	14,399	Y
Restrooms Flow	19,800	13,200	6,600	Y
Restrooms Flush	112,200	74,800	37,400	N
Concession Stand	99,000	0	99,000	Y
Drinking Fountains	24,000	19,200	4,800	Y
Kayak Station	660,000	660,000	0	Y
Fish Station	270,000	270,000	0	Y
Water Play		0	TBD	Y
Totals	2,195,860	1,911,346	284,514	

Basis of Calculations

Irrigation demands were computed using the SFPUC Water Demand Calculator which takes into account different weather data, the areas of planting and species factors. The water feature top-off was computed based on the

MAGNUSSON
KLEMENCIC
ASSOCIATES

Structural + Civil Engineers
1301 Fifth Avenue, Suite 3200 Seattle Washington 98101-2699 T: 206 292 1200 F: 206 292 1201 W: www.mka.com

water feature area and weather data. Water demands for the other park components were calculated based on the assumptions noted in Table 2.

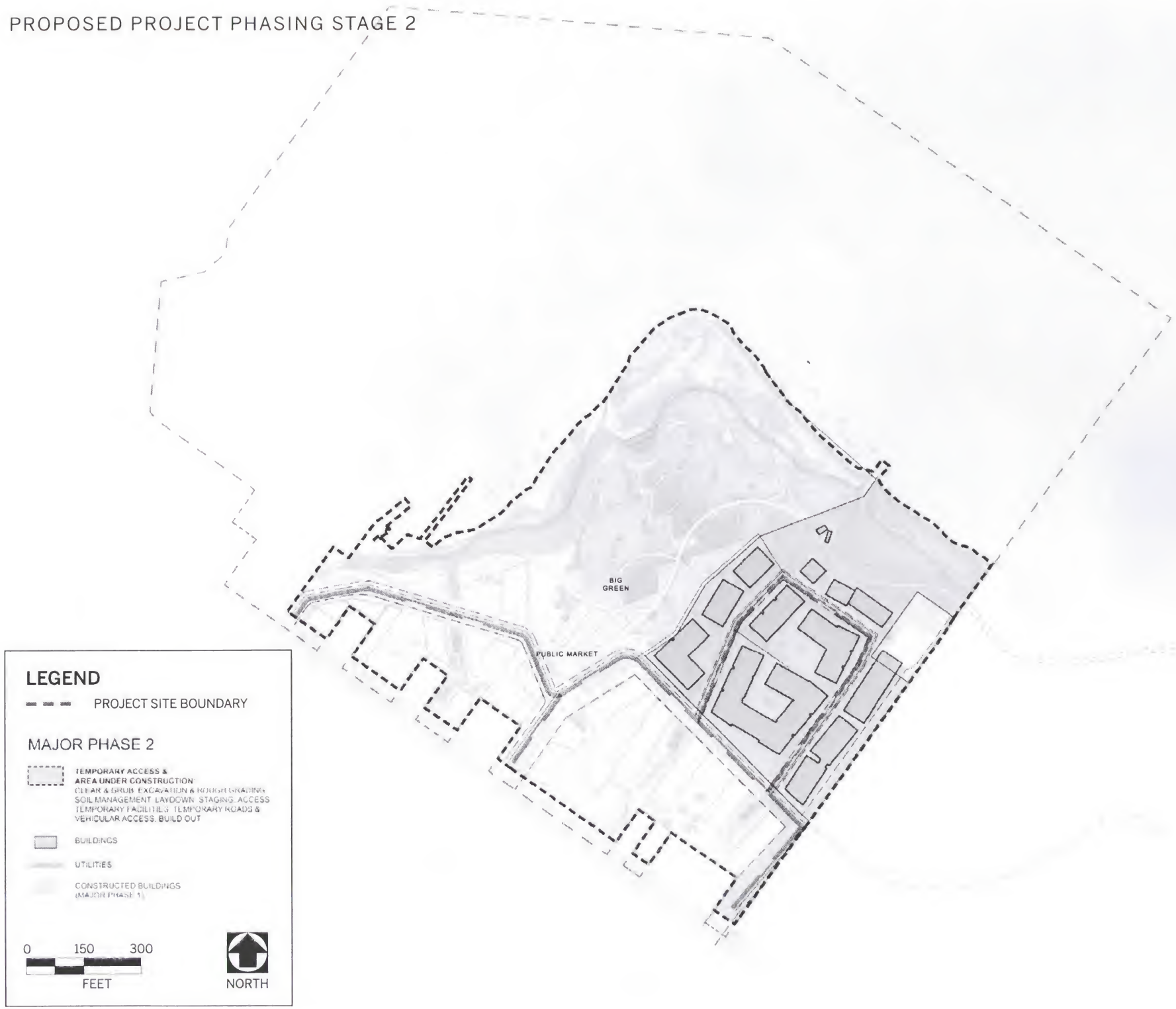
Table 2. Water Demand Assumptions

Park Component	count	gpm	hr/day	day/yr	gal/yr	gal/d
Hose Bib - Kayak	2	10	2	275	660,000	1,808
Hose Bib - Fish	1	10	2	300	270,000	740
Drinking Fountain		0.13	2	300	24,000	66
	vis/day	**gal/vis**	**day/yr**	**gal/yr**	**Flow**	**Flush**
Restrooms	100	4	330	132,000	19,800	112,200
	vis/day	**gal/vis**	**day/yr**	**gal/yr**		
Concession	100	3	330	99,000		

PROPOSED PROJECT PHASING STAGE 1

APPENDIX C

PROPOSED PROJECT PHASING STAGE 2



PROPOSED VARIANT PHASING STAGE 1

LEGEND

PROJECT SITE BOUNDARY

MAJOR PHASE 1

AREA BEING CONSTRUCTED

TEMPORARY ACCESS & AREA FOR CONSTRUCTION ACTIVITIES.
CLEAR & GRUB, EXCAVATION & ROUGH GRADING, SOIL MANAGEMENT, LAYDOWN, STAGING, ACCESS, TEMPORARY FACILITIES, TEMPORARY ROADS & VEHICULAR ACCESS

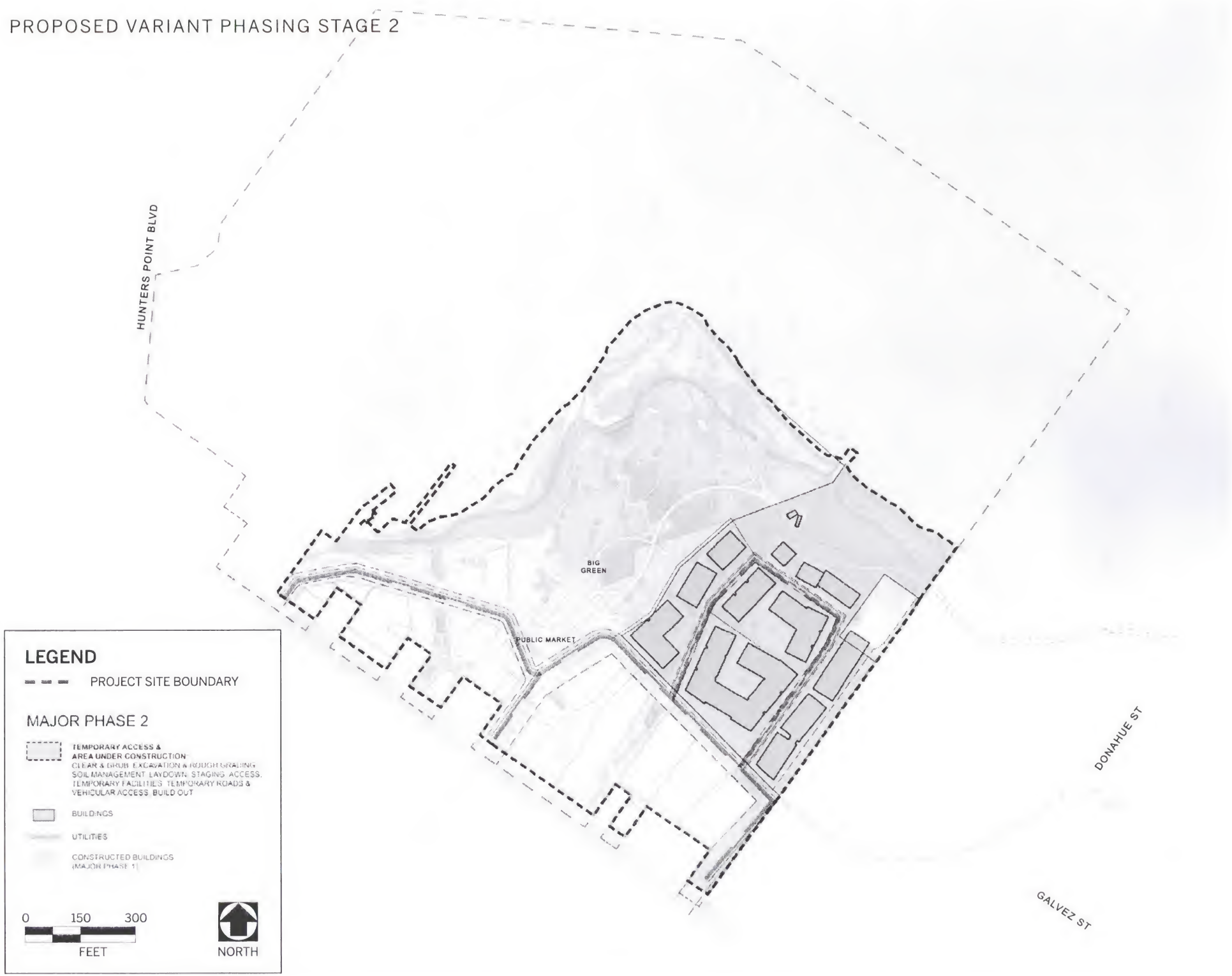
BUILDINGS

UTILITIES

0 150 300
FEET

NORTH

PROPOSED VARIANT PHASING STAGE 2



San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

February 16, 2018

Christopher Thomas
San Francisco Planning Department
1650 Mission St., Suite 400
San Francisco, CA 94103-2479

Dear Mr. Thomas:

I am writing in response to your memo to Fan Lau dated February 5, 2018 requesting that the SFPUC determine if an updated Water Supply Assessment (WSA) for the revised India Basin Project is required. A WSA for the India Basin Project was prepared by the SFPUC in November 17, 2016 based on the project description at that time, and subsequently approved on December 16, 2016. This WSA, prepared in accordance with Water Code Section 10910, concluded that the SFPUC's water supplies were sufficient to meet the projected water demand associated with the proposed project.[1] Since then, the project description has been modified such that the overall square footage of commercial space would be decreased from 275,330 to 239,106 square feet (sf), and the overall number of residential dwelling units would be increased from 1,240 to 1,375 units.

An updated WSA is not necessary for the revised India Basin Project because none of the factors listed in Water Code Section 10910(h) warranting preparation of another WSA exist:

- There are no changes to the project that result in a substantial increase in water demand. As summarized in the attached Water Demands Memorandum, the water demand of the revised project at full buildout (assuming no recycled water) would be 0.183 million gallons per day (mgd), a demand that is 0.010 mgd, or 5.5 percent, greater than that of the formerly proposed project analyzed in the WSA. The SFPUC does not consider this increase to be substantial as the magnitude of the increase is very small. Furthermore, the increase in demand relative to the SFPUC's total retail water demand is also minor. The demand of the formerly proposed project is expected to represent up to 0.22 percent of the total retail water demand as stated in the 2016 WSA. The revised project as currently proposed would represent up to 0.23 percent of the total retail water demand. This potential 0.01 percent increase in water demand would not affect the City's ability to meet retail demands in normal or dry years.

[1] This WSA is available at http://sfwater.org/modules/showdocument.aspx?documentid=10181

Mark Farrell
Bio Kwon
Vince Courtney
Ann Moller Caen
Francesca Vietor
Anson Moran
Harlan L. Kelly, Jr.

- There has been no change in the circumstances or conditions which would substantially affect the ability of the SFPUC to provide a sufficient supply of water for the currently proposed project.

- There is no new information that might affect the conclusions of previous WSA that sufficient water supplies are available.

Please feel free to contact Fan Lau in SFPUC Water Resources with any future questions or concerns at (415) 554-2498 or flau@sfwater.org.

Sincerely,

Steven R. Ritchie
Assistant General Manager, Water

Enclosures: India Basin Project Water Supply Assessment Request,
India Basin – Summary of Water Demand Update,
India Basin – Water Demands Memorandum

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: February 5, 2018

TO: Fan Lau, SFPUC

FROM: Chris Thomas, Environmental Planning

CC: Michael Li, Environmental Planning

RE: India Basin Project Water Supply Assessment Request
(Planning Department Case No. 2014-002541ENV)

The purpose of this memorandum is to request that the San Francisco Public Utilities Commission (SFPUC) determine if an updated Water Supply Assessment (WSA) is required for the revised India Basin project, in compliance with CEQA Guidelines Section 15155 and Sections 10910 through 10915 of the California Water Code.

The SFPUC approved a WSA on December 13, 2016 for the India Basin project. Since that approval, the project sponsor has proposed some modifications that would change the water demand for the project. The overall square footage of commercial space would be decreased, and the overall number of dwelling units would be increased.

The project sponsor has provided project information intended to meet the requirements outlined in the SFPUC guidance memo dated July 13, 2015. A summary of the project description, proposed average daily water demands for 2015, 2020 and 2025, and supporting tables prepared by the project sponsor's consultant, are attached.

Should you have questions or need additional information from the Planning Department or the project sponsor, please contact me at 415-575-9036 or christopher.thomas@sfgov.org.

BKF 100+ YEARS

ENGINEERS . SURVEYORS . PLANNERS *Delivering Inspired Infrastructure*

MEMORANDUM

Date: January 10, 2018 **BKF Job Number:** 20140069

To: Courtney Pash, BUILD
Victoria Lehman, BUILD

From: Tom Morse, BKF
Ryan Bernal, BKF

Subject: **India Basin – Summary of Water Demand Update**

PURPOSE

The purpose of this memorandum is to provide a summary of changes to the proposed Potable and Non–Potable water demands associated with the Maximum Residential buildout of the India Basin Project ("Project").

BACKGROUND

Potable and Non-Potable water demands were studied for the project and were submitted for review on November 2, 2016, however the number of proposed residential units have since been changed from 1240 units to 1375 units, and square footage of Commercial/Retail area has been changed from 275,330 sf to 239,106 sf, therefore demand estimates have been updated for Potable and Non-Potable water demands.

Maximum Residential Program Changes

	Residential Units	Commercial/Retail Area (sf)
November 2, 2016	1,240	275,330
January 10, 2018	1,375	239,106
Difference	11%	-13%

DISCUSSION

Summary tables for proposed average daily water demand changes, with and without recycled water uses, which are required by the Project are shown on the next page. These demands are broken down by the year 2020 and 2025 to match the time divisions previously used.

Cumulative Potable Water Demand without Recycled Water Comparison

	Average Daily Water Demand (gpd)	
	2020	2025
November 2, 2016	116,777	173,392
January 10, 2018	121,565	183,006
Difference	4%	5%

Cumulative Recycled Water Demand without Recycled Water

	Average Daily Water Demand (gpd)	
	2020	2025
November 2, 2016	0	0
January 10, 2018	0	0
Difference	0%	0%

Cumulative Potable Water Demand with Recycled Water Comparison

	Average Daily Water Demand (gpd)	
	2020	2025
November 2, 2016	67,792	110,283
January 10, 2018	72,666	119,437
Difference	7%	8%

Cumulative Recycled Water Demand with Recycled Water

	Average Daily Water Demand (gpd)	
	2020	2025
November 2, 2016	48,985	63,109
January 10, 2018	48,899	63,569
Difference	-.2%	0.7%

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS *Delivering Inspired Infrastructure*

MEMORANDUM

Date: July 18, 2016
Revised September 16, 2016
Revised October 10, 2016
Revised November 2, 2016
Revised January 10, 2018

BKF Job Number: 20140069

To: Courtney Pash, BUILD
Victoria Lehman, BUILD

From: Tom Morse, BKF
Ryan Bernal, BKF

Subject: **India Basin – Water Demands Memorandum**

PURPOSE

The purpose of this memorandum is to provide a summary of proposed potable and non-potable water demands associated with the India Basin Project ("Project").

BACKGROUND

The Project encompasses approximately 38.84 acres in the Bayview Hunters Point neighborhood in San Francisco. The site is bound by the San Francisco Bay to the north, Earl Street to the east, Innes Avenue to the south, and Hunters Point Boulevard and Hawes Street to the west.

The Project consists of four properties – 700 Innes, 900 Innes, India Basin Shoreline Park, and India Basin Open Space. The 700 Innes property and India Basin Open Space would be developed by BUILD to include public rights-of-way, residential units, commercial uses, a school, parking, and open space ("Build Development"). The 900 Innes property and India Basin Shoreline Park are publicly owned by the San Francisco Recreation and Parks Department (RPD) and would be developed to create a publicly accessible network of new and/or improved parkland and open space ("RPD Development").

The Project is flexibly zoned either commercial or residential, meaning that either use could be constructed. For that reason, the India Basin EIR is studying both maximum residential and maximum commercial program options for the project. The program options propose to include the following:

Maximum Residential Option

	Build Development	RPD Development
Residential	1,375 units	-
Commercial/Retail	239,106 sf	14,500 sf
Institutional/Education	50,000 sf	-

Maximum Commercial Option

	Build Development	RPD Development
Residential	500 units	-
Commercial/Retail	1,000,000 sf	14,500 sf
Institutional/Education	50,000 sf	-

Potable water supply is currently available from a domestic water main in Innes Avenue. The project site is within the City's designated recycled water use area. A non-potable water system is not currently available within the project limits. As required by the City's Recycled Water Ordinance, the project will install a non-potable water system and connect to the potable water system in the interim condition with approved backflow devices. In order to provide a conservative estimate of future water demands for the Project, this memorandum does not assume compliance with the Non-Potable Water Ordinance (Ordinance 109-15). However, the Project is subject to the requirements of the Non-Potable Water Ordinance and will comply.

EXISTING POTABLE AND NON-POTABLE WATER DEMAND

Table 1 shows the existing potable water demands for the Project based on the onsite existing buildings and their approximate square footages. Since existing billing data was not available to compute the existing potable water demands, higher unit demands were used to account for older, less efficient fixtures in the existing condition. This memorandum uses a residential potable water unit demand of 150 gallons per day per dwelling unit and a commercial/retail potable water unit demand of 0.15 gallons per day per square foot. There is no existing non-potable water demand since the site is not currently served by a non-potable water system.

PROPOSED POTABLE AND NON-POTABLE WATER DEMAND

Potable and non-potable water demand calculations are included as attachments to this memorandum.

Table 2 and Table 3 calculate demands for the maximum residential and maximum commercial options with no recycled water available at the start of the project. Potable water demand is based on demands for residential, commercial/retail, institutional/education, landscape irrigation and cooling water uses.

Table 4 and Table 5 calculate demands for the maximum residential and maximum commercial options with recycled water available for the project. Potable water demand is based on demands for residential, commercial/retail, and institutional/education uses. Non-potable water demand is based on toilet flushing, landscape irrigation and cooling water uses.

Residential potable water unit demand was based on 90 gallons per day per dwelling unit. This

unit demand assumes 45 gallons per capita per day and 2.0 residents per dwelling unit. Residential recycled water unit demand for toilet flushing was based on 6.4 gallons per capita day (assumed 5 flushes per day per person at 1.28 gallons per flush) and 2.0 residents per dwelling unit. These unit demands are consistent with the "San Francisco Public Utilities Commission Water Enterprise 2015 Retail Water Conservation Plan" report ("Water Report"), prepared by RMC. The Water Report provides projections of potable water demand for the years through 2040 and projects that, through normal replacement of plumbing fixtures and appliances, most or all residences will have plumbing fixtures and appliances that meet the current plumbing code by that time. Table 1 of the Water Report identifies a unit demand of 43 to 45 gallons per capita day through the year 2040. This memorandum uses 45 gallons per capita day, which is slightly conservative. Appendix B, Pages 21-23, of the Water Report identifies a unit demand of 2.0 residents per dwelling unit for multifamily units.

Commercial and retail potable water unit demand was based on 0.07 gallons per day per square foot. Commercial and retail recycled water unit demand for toilet flushing was assumed to be 50 percent of the total water demand; 0.035 gallons per day per square foot is used for this analysis. This demand rate was calculated by the following methodology. Prior to 2008 and adoption of the California Green Building Standards ("Code"), 0.10 gallons per day per square foot was a generally accepted water demand used for office/commercial space. Currently, the Code requires calculation of a baseline demand and then requires a 25% reduction from baseline. In order to account for conservation and implementation of the Code, we applied the 25% reduction to 0.10 gallons per day per square foot, resulting in a unit demand of 0.075 gallons per day per square foot.

Institutional/education potable water unit demand is 0.07 gallons per square foot and is assumed to be consistent with commercial and retail potable water unit demand. Similar to the commercial and retail recycled water unit demand, institutional/education recycled water unit demand for toilet flushing was assumed to be 50 percent of the total water demand; 0.035 gallons per day per square foot is used for this analysis.

Irrigation demands for the Build Development were provided by Bionic (attached, Appendix A). The demand includes irrigation for the development parcels, public streets and open space. Since Bionic's calculations considered a 7-month irrigation period, the total annual irrigation demand was divided by 365 days in order to consider a year-round irrigation period. Irrigation demands for the RPD Development were provided by MKA (attached, Appendix B).

Cooling demands for the Build Development were provided by Glumac and were calculated from a site mass model using eQuest, an energy simulation program. A nominal unit demand of 1.37 gallons per ton-hour was used to convert the ton-hour output from the model. Cooling demands for the RPD Development are expected to be small compared to the overall project demand and was noted as zero for this analysis.

CONCLUSION

Below are summary tables for proposed average daily water demands, with and without recycled water uses, which are required by the Project. These demands are broken down by the year 2015, 2020, and 2025 to match the time divisions used in the City's Urban Water Management Plan. The Build Development is expected to be constructed in two phases, with Phase 1 completed by 2020 and Phase 2 completed by 2025. The RPD Development is expected to be completed in one phase (2020). Appendix C illustrates the proposed phasing plan for the Build Development.

Cumulative Potable Water Demand without Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	121,565	183,006
Maximum Commercial	0	100,548	159,682

Cumulative Recycled Water Demand without Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	0	0
Maximum Commercial	0	0	0

Cumulative Potable Water Demand with Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	72,666	119,437
Maximum Commercial	0	36,086	78,518

Cumulative Recycled Water Demand with Recycled Water

Program	Average Daily Water Demand (gpd)		
	2015	2020	2025
Maximum Residential	0	48,899	63,569
Maximum Commercial	0	67,068	81,164

ATTACHMENTS

- Table 1 – Existing Potable Water Demand
- Table 2 – Maximum Residential Without Recycled Water
- Table 3 – Maximum Commercial Without Recycled Water
- Table 4 – Maximum Residential With Recycled Water
- Table 5 – Maximum Commercial With Recycled Water
- Appendix A – India Basin Landscape Water Demand Calculations, prepared by Bionic, dated September 27, 2016
- Appendix B – India Basin Park Concept Design Preliminary Water Demands Memo, prepared by MKA, dated July 6, 2016
- Appendix C – Phasing Plan

TABLE 1: EXISTING WATER DEMAND[1]

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)	Average Daily Demand (gpd)	Average Daily Demand (gpm)
RESIDENTIAL[2]	5 du	150.0 gpd/du	750	1	0	0
COMMERCIAL/RETAIL[3]	13,310 sf	0.15 gpd/sf	1,997	2	0	0
EXISTING WATER DEMAND TOTALS			2,747	3	0	0

TOTAL DEMANDS	**2,747**	**3**	**0**	**0**

Notes:

1 The onsite existing buildings and their uses are based on information documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

2 Existing residential potable water demand based on 150.0 gpd/du. The approximately 11,600 sf of existing residential use was assumed to be equivalent to 5 dwelling units for this analysis.

3 Existing commerical and retail potable water demand based on 0.15 gpd/sf.

WHEREAS, Certificates intended to meet the requirements set forth in Section 8B.124 will have been presented for review by the Board (the "Certificates"), and the Certificates will be filed with the Clerk of the Board and the Secretary of the Commission prior to the issuance of the Bonds; now, therefore, be it

RESOLVED By the Public Utilities Commission of the City and County of San Francisco, as follows:

Section 1. Issuance of the Bonds. The issuance of the Bonds, in one or more series and on such dates, and in such amounts and at such times as the Commission may determine, in an aggregate principal amount not to exceed $675,000,000, is hereby authorized and approved by the Commission pursuant to Article VIIIB of the Charter of the City, Ordinance No. 107-14, as amended and supplemented, Ordinance No. 111-16 and Ordinance No. 144-18 (collectively, the "Bond Authorization Ordinances"), and subject to the limitations and conditions provided herein. The Bonds may be issued for the purpose of (a) financing or refinancing (through the retirement of commercial paper notes) various capital projects benefiting the Wastewater Enterprise (including reimbursing the Commission for certain capital costs previously paid with the proceeds of wastewater commercial paper notes or other moneys), as may be determined by the General Manager, (b) financing capitalized interest and (c) paying costs of issuance of the Bonds. If determined to be beneficial to the Commission by the General Manager, with the advice of the Commission's municipal advisors (the "Municipal Advisors"), Bond proceeds may also be applied to costs associated with (i) the provision of credit enhancement of any Bonds (including without limitation bond insurance policies and/or reserve fund surety bonds or insurance policies), and (ii) the funding of debt service reserves for the Bonds, if any.

The Bonds shall be issued in accordance with the Bond Authorization Ordinances, this resolution, the Indenture and the Charter, including but not limited to, the provision of certifications required by Section 8B.124 of the Charter to the Secretary of the Commission and the Clerk of the Board. The General Manager is hereby authorized and directed to determine the aggregate principal amount of Bonds to be issued from time to time (subject to the maximum amount and further limitations and conditions set forth herein) and to determine the various titles and series designations of the Bonds. The Bonds may be issued as tax-exempt bonds or taxable bonds, or any combination thereof. The forms of the Bonds, in substantially the forms set forth in the Supplemental Indenture (as defined below) to which such forms are attached and presented to this meeting, are hereby approved. The General Manager of the Commission is hereby authorized and directed to approve and to execute the Bonds by manual or facsimile signature, and the Secretary of the Commission is hereby authorized and directed to attest, by manual or facsimile signature, with such changes, additions, amendments or modifications thereto which they may approve with the advice of the City Attorney, such approval to be conclusively evidenced by the execution and delivery of the Bonds, subject to the limitations set forth in Section 2 hereof.

Section 2. Sale of the Bonds. The sale of the Bonds, in one or more series and on one or more dates, is hereby authorized and approved by the Commission pursuant to the Charter and the Bond Authorization Ordinances and subject to the limitations and conditions provided herein. The Commission hereby delegates to the General Manager the authority to determine, with the advice of the Municipal Advisors, whether to sell the Bonds from time to time by negotiated sale, provided that

WHEREAS, The Commission has been presented with and has examined the proposed forms of the Supplemental Indentures (as defined below) for each series of Bonds, the form of a Bond Purchase Contract, the Preliminary Official Statement and a Continuing Disclosure Certificate; and

WHEREAS, The Commission is duly authorized and empowered, pursuant to each and every requirement of law, to authorize the foregoing transactions and issue the Bonds in one or more series and to authorize the publication, execution and delivery for each series of Bonds (as appropriate) of the related Supplemental Indenture, a Bond Purchase Contract, an Official Statement, a Continuing Disclosure Certificate and related documents for the purposes, in the manner and upon the terms provided herein; and

WHEREAS, Section 1.150-2(f) of the United States Income Tax Regulations (the "Treasury Regulations") provides generally that proceeds of tax-exempt debt may be used to reimburse an expenditure made prior to the issuance of such debt if such expenditures are "preliminary expenditures" of the type described in Section 1.150-2(f) of the Treasury Regulations; and

WHEREAS, The Commission intends to reimburse from a portion of the proceeds of the Bonds certain preliminary expenditures of the type described in Section 1.150-2(f) of the Treasury Regulations (the "Preliminary Expenditures"); and

WHEREAS, Article VIIIB of the Charter of the City (Section 8B.124) allows for the issuance of revenue bonds and other forms of indebtedness, subject to the provision of certain certifications of an independent engineer retained by the Commission and certain certifications by the San Francisco Planning Department, which certifications make the findings and determinations set forth in Section 8B.124; and

WHEREAS, On June 26, 2018 the Environmental Review Officer issued Proposition E CEQA Certificate ("Certificate"), as required under Charter section 8B.124 regarding the Proposed Sale of Wastewater Revenue Bonds, Including Notes, Commercial Paper, and Other Forms of Indebtedness, as has been authorized by the Board of Supervisors pursuant to Ordinances 89-15 and San Francisco 111-16, with a combined not to exceed issuance amount of $1,931,637,221 for Capital Projects budgeted in Fiscal Years 2014-15, 2015-16, 2016-17 and 2017-18; and a Certificate regarding the Proposed Sale of Wastewater Revenue Bonds, Including Notes, Commercial Paper, and Other Forms of Indebtedness, in a not to exceed issuance amount of $987,414,494 for Capital Projects budgeted in San Francisco, Fiscal Years 2018-19 and 2019-20, and both Certificates will be filed with the Clerk of the Board; and

WHEREAS, The projects listed in Appendix A of each Certificate are either: (a) not considered to be projects under CEQA, (b) are projects under CEQA and a CEQA determination has already been issued, or (c) are projects under CEQA and will undergo CEQA review prior to approval. Pursuant to the provisions of Chapter 31 of the San Francisco Administrative Code, and any additional Project to be financed with Bond proceeds will require additional Certificates and will comply with applicable requirements of CEQA prior to any draw on the Revenue Indebtedness proceeds to finance the acquisition or construction of such facilities; and

WHEREAS, Some projects listed in Appendix A have not yet been approved, and this resolution does not constitute project approval or approval of expenditure of Bond funds for project construction, and projects that have not yet been approved will be subject to this Commission's review and consideration of completed environmental documentation prior to approval of the expenditure of funds for construction.

WHEREAS, Under the authority granted under Article VIIIB of the Charter of the City and by the ordinances hereinabove mentioned, it is proposed that the Commission issue one or more series of wastewater revenue bonds, in an aggregate principal amount not to exceed $675,000,000, for the purpose of financing or refinancing (through the retirement of commercial paper notes) various capital projects benefiting the Wastewater Enterprise (including reimbursing the Commission for certain capital costs previously paid with proceeds of wastewater commercial paper notes or from other moneys) (the "Bonds"), all pursuant to the Indenture, dated as of January 1, 2003 (as amended by the First Amendment to Indenture, dated as of May 1, 2010, and by the Fifth Supplemental Indenture dated as of September 14, 2017, and as supplemented by the First Supplemental Indenture, dated as of May 1, 2010, the Second Supplemental Indenture, dated as of January 1, 2013, the Third Supplemental Indenture, dated as of February 1, 2013, and the Fourth Supplemental Indenture dated as of May 1, 2016, as further supplemented and amended as herein provided, the "Indenture"), each by and between the Commission and U.S. Bank National Association (formerly doing business as "U.S. Bank, N.A."), as trustee (the "Trustee"), and one or more supplemental indentures as herein provided; and

WHEREAS, The Commission desires to further amend the Indenture pursuant to the Sixth Supplemental Indenture in the form submitted to this Commission; and

WHEREAS, It is proposed that such Bonds be issued as obligations the interest on which is exempt from federal income tax pursuant to one or more supplemental indentures, between the Commission and the Trustee, in the forms submitted to this Commission, to finance or refinance the cost of the acquisition, construction and equipping of the projects; and

WHEREAS, It is proposed that each series of Bonds be sold at one time or from time to time, by negotiated sale pursuant to one or more Bond Purchase Contracts (each a "Bond Purchase Contract"); and

WHEREAS, It is proposed that one or more official statements (each an "Official Statement") be used in connection with the offering and sale of the Bonds from time to time; and

WHEREAS, It is proposed that a continuing disclosure certificate (the "Continuing Disclosure Certificate") be executed and delivered with respect to the Bonds, as appropriate, in order to assist the purchasers or underwriters thereof in complying with Securities and Exchange Commission Rule 15c2-12 ("Rule 15c2-12"); and

WHEREAS, Pursuant to Article IX of the Indenture, the Indenture may be amended from time to time upon compliance with the terms and conditions provided in said Article IX; and

WHEREAS, The voters of the City approved Proposition P in November 2002 pursuant to which this resolution and the Bonds are subject to the provisions of Section 5A.30 et seq. ("Public Utilities Revenue Bond Oversight Committee") of Chapter V of the San Francisco Administrative Code (the "Proposition P Requirements"), including the requirement that, to the extent permitted by law, one-twentieth of one percent (0.05%) of the gross proceeds of the Bonds shall be deposited in a fund established by the Office of the Controller of the City (the "Controller's Office") and appropriated by the Board at the direction of the Public Utilities Revenue Bond Oversight Committee to cover the costs of said committee; and

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO.: 18-0117

WHEREAS, At a duly called and held election on November 5, 2002, a majority of voters voting on the measure approved Proposition E ("Proposition E of 2002"), codified as Article VIIIB of the Charter of the City and County of San Francisco (the "City"), which, among other things, authorized the San Francisco Public Utilities Commission (the "Commission") of the City to issue its revenue bonds, including notes, commercial paper or other forms of indebtedness, when authorized by ordinance approved by a two-thirds vote of the Board of Supervisors of the City (the "Board"), for the purpose of reconstructing, replacing, expanding, repairing or improving water facilities or clean water facilities, or combinations of water and clean water facilities under the jurisdiction of the Commission and subject to the provision of certain certifications of an independent engineer retained by the Commission and certain certifications by the San Francisco Planning Department, which certifications make the findings and determinations set forth in Section 8B.124 of the Charter; and

WHEREAS, On June 24, 2014, the Board passed by two-thirds vote Ordinance No. 107-14, approving the issuance and sale of wastewater revenue bonds by the Commission pursuant to Article VIIIB of the Charter of the City, in an aggregate principal amount not to exceed $819,035,941, to finance capital projects benefiting the Wastewater Enterprise; and

WHEREAS, On June 12, 2018, the Board passed by two-thirds vote Ordinance No. 144-18 (collectively with Ordinance No. 107-14, Ordinance No. 0089-15 and Ordinance No. 111-16, the "Ordinances"), approving the issuance and sale of wastewater revenue bonds, including commercial paper, revolving credit notes, or bond anticipation notes, and authorizing the Commission to execute and deliver one or more State of California Water Resources Control Board Installment Sale Agreements in connection with State Revolving Loans or loan agreements with the federal government, acting through the Administrator of the Environmental Protection Agency ("EPA") under the U.S. Environmental Protection Agency Water Infrastructure Finance and Innovation Act ("WIFIA"), to finance capital projects benefiting the Wastewater Enterprise in an aggregate principal amount not to exceed $987,414,494; and

WHEREAS, On June 9, 2015, the Board passed by two-thirds vote Ordinance No. 0089-15, which amended and supplemented Ordinance No. 107-14 to provide authority for the Commission to execute and deliver one or more State of California Water Resources Control Board Installment Sale Agreements in connection with State Revolving Loans, to finance capital projects benefiting the Wastewater Enterprise; and

WHEREAS, On June 14, 2016, the Board passed by two-thirds vote Ordinance No. 111-16, approving the issuance and sale of wastewater revenue bonds and authorizing the Commission to execute and deliver one or more State of California Water Resources Control Board Installment Sale Agreements in connection with State Revolving Loans, pursuant to Article VIIIB of the Charter of the City, in an aggregate principal amount not to exceed $1,112,601,280, to finance capital projects benefiting the Wastewater Enterprise; and

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0116**

WHEREAS, On June 14, 2016, per Resolution No. 16-0115, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program-funded Contract No. WW-640, As-Needed Sewer Cleaning and Inspection (FY17), to Pipe and Plant Solutions, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for August 31, 2016; and

WHEREAS, The original contract amount was for $1,587,700 and the original contract duration is 570 consecutive calendar days; and

WHEREAS, Section 6.22(h)(1) of the Administrative Code requires that any cumulative increase to contract price in excess of 10% of the original contract price be approved by this Commission;

WHEREAS, An increase to the existing $158,770 contract contingency in the amount of $63,022 is being requested to adjust contract bid item quantities and to match actual quantities used, subject to the General Manager's subsequent authorization of modifications, if appropriate; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) requirement of 10% for this construction contract, and the contractor committed to a LBE participation of % with its bid submittal; and

WHEREAS, Funds are available from Project No. 10015680, As-Needed Sewer Cleaning and Inspection (FY17); now, therefore, be it

RESOLVED, That this Commission hereby approves an increase of $63,022 to the existing contract cost contingency for WWE, R&R Program-funded Contract No. WW-640, As-Needed Sewer Cleaning and Inspection (FY17), with Pipe and Plant Solutions, Inc.; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications for a total contract amount of up to $1,809,492, with no change to the contract duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0115**

WHEREAS, Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program funded Contract No. WW-611, Cutler Avenue, Lower Great Highway, Sloat Boulevard and Wawona Street Sewer Replacement, was advertised on March 26, 2018; and

WHEREAS, The Engineer's Estimate is $2,306,793 for this construction contract work to replace existing sewers at various locations in the Sunset neighborhood of the City and County of San Francisco; and

WHEREAS, The contract duration is 315 consecutive calendar days; and

WHEREAS, Five bids were received and opened publicly on May 3, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of JDB & Sons Construction Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) participation subcontracting requirement of 20% for this contract, and the contractor submitted to a LBE participation of 19.92% with its bid submittal, which CMD determined to be in compliance; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10015665, Cutler Avenue, Lower Great Highway, Sloat Boulevard and Wawona Street Sewer Replacement; and

WHEREAS, The Planning Department determined that this project is statutorily exempt from environmental review pursuant to the California Environmental Quality Act (CEQA) Section 21080.21 and CEQA Guidelines Section 15282(k); now therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE, R&R Program-funded Contract No. WW-611, Cutler Avenue, Lower Great Highway, Sloat Boulevard and Wawona Street Sewer Replacement, in the amount of $2,148,790, with a duration of 315 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, JDB & Sons Construction Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0114**

WHEREAS, On February 28, 2017, per Resolution No. 17-0035, this Commission approved the award of Wastewater Enterprise, Sewer System Improvement Program (SSIP) funded Contract No. WW-610R, Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnydale Pavement Improvements to Minerva Construction Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for June 5, 2017; and

WHEREAS, The original contract amount was for $3,483,944 and the original contract duration was 368 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase to duration in-excess-of 10% of the original contact duration by approved by this Commission; and

WHEREAS, The project has encountered delay associated with the relocation of PG&E facilities; and

WHEREAS, An increase to the existing 37 day contract duration contingency in the amount of 60 consecutive calendar days is being requested to complete scope items due to unforeseen delays related to the relocation of PG&E facilities by PG&E work crews, for a total contract duration contingency of 97 calendar days and a total contract duration of 465 calendar days; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20.00% for this contract, and the contractor committed to an LBE participation of 26.84% with its bid submittal; and

WHEREAS, Funds are available from the following four sources: (1) Project No. CWWSIPFCDB04, SFPUC-SSIP Green Infrastructure, (2) Project No. CWWSIPCSSR12, SFPUC-SSIP Sewer, (3) Project No. 2490J, San Francisco Public Works Paving, and (4) Project No. 2446J, San Francisco Recreation and Park Department; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase of 60 calendar days to the existing contract duration contingency for SSIP funded Contract No. WW-610R, Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnydale Pavement Improvements with Minerva Construction, Inc., for a total contract duration contingency of 97 consecutive calendar days;

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract duration up to a total contract duration of 465 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0113**

WHEREAS, On May 23, 2017, per Resolution No. 17-0121, this Commission approved the award of Water Enterprise bond funded Contract No. WD-2818, Sunol Valley Water Treatment Plant SCADA Server Room; and

WHEREAS, The construction contract Notice-to-Proceed date was December 4, 2017; and

WHEREAS, The original contract amount was for $1,011,171 and the original contract duration was 243 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase to contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, An increase in the contract duration contingency in the amount of 79 consecutive calendar days is requested to address delays due to differing site conditions for the installation of a HVAC and to complete work associated with the installation of the HVAC, the Fire Suppression System, and interior architectural improvement work; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting participation requirement of 20% for this contract, and the contractor committed to a LBE subcontracting participation of 27% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUW2720207, SVWTP SCADA Server Room; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the contract duration contingency in the amount of 79 consecutive calendar days for Water Enterprise bond funded Contract No. WD-2818, Sunol Valley Water Treatment Plant SCADA Server Room, with Integra Construction Services, Inc., for a total contract duration contingency of 103 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract duration for up to a total contract duration of 346 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

authorized and directed to prepare and cause the distribution of an Offering Memorandum relating to the Wastewater CP Program, in substantially the form on file with the Commission, subject to such additions thereto and changes therein, and any amendments or supplements thereto from time to time which the General Manager, in consultation with the City Attorney and the Director, shall approve. The General Manager (or any designee thereof) is further authorized and directed to distribute, in connection with the sale of any commercial paper notes, one or more Offering Memoranda in such form, as the General Manager, upon consultation with the City Attorney, Bond Counsel and the Director shall approve.

Section 4. Further Actions. The General Manager or his or her designee, and in consultation with the City Attorney and the Director, is hereby authorized and directed to execute such other agreements, certifications or documents and to take any and all necessary action in furtherance of the issuance of the Letters of Credit and the marketing and sale of the commercial paper notes.

Section 5. Extensions of Term of Liquidity Facility. The General Manager is further authorized, in consultation with the City Attorney and the Director, to execute one or more amendments to extend the term of the Liquidity Facility authorized hereunder for an aggregate period not to exceed two years from the date of the expiration of the Liquidity Facility Second Amendment, provided further that the annual facility fee payable to MUFG Bank, Ltd. shall not exceed the amount provided in the Fee Letter, and the amendments shall otherwise comply with Section 2 hereof.

Section 6. Delegation. The General Manager is authorized to delegate any of the responsibilities or duties set forth in this resolution to the Assistant General Manager, Business Services and Chief Financial Officer of the Commission.

Section 7. Ratification. All actions heretofore taken by the officials, employees and agents of the Commission with respect to the issuance of the Liquidity Facility Amendment and Fee Letter, are hereby approved, confirmed and ratified.

Section 8. Effective Date. This resolution shall take effect from and after its adoption.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting on July 10, 2018.

Secretary, Public Utilities Commission

WHEREAS, In connection with such extension, the Commission has determined to enter into a Second Amended and Restated Fee Letter (the "Fee Letter"), by and between the Commission and MUFG Bank, Ltd., which Fee Letter will replace in its entirety the 2015 Fee Letter; and

WHEREAS, Each proposed form of the Liquidity Facility Second Amendment and the Fee Letter to be entered into by the Commission and the Bank have been presented to the Commission and filed with the Commission Secretary, and the Commission finds it in its best interest to enter into such agreements; and

WHEREAS, In connection with the foregoing extension, the offering memorandum for the commercial paper notes will be updated to reflect the new expiration date provided by the Liquidity Facility Amendment, and such other matters deemed necessary to comply with federal securities laws; and

WHEREAS, The proposed form of offering memorandum (the "Offering Memorandum") has been presented to the Commission and filed with the Secretary; and

WHEREAS, The Proposition E Certificates meeting the Proposition E requirements are, or will be, on file with the Clerk of the Board in accordance with Proposition E prior to the issuance of any commercial paper notes; now, therefore, be it

RESOLVED by the Public Utilities Commission of the City and County of San Francisco, as follows:

Section 1. Approval of Liquidity Facility Second Amendment and Fee Letter. The Liquidity Facility Second Amendment and Fee Letter, in substantially the forms submitted to this Commission, extending the term of the Liquidity Facility by one year to July 2019 with an annual fee of 0.375% are hereby approved and recommended to the Director of the City's Office of Public Finance (the "Director") for approval pursuant to Article V of the City's Administrative Code. The General Manager of the Commission (the "General Manager") or his or her designee is authorized and directed to execute and deliver the Liquidity Facility Second Amendment and Fee Letter, subject to such additions thereto or changes therein which the General Manager, upon consultation with the City Attorney and Director, shall approve, such approval to be conclusively evidenced by the execution and delivery of each such Liquidity Facility Amendment and Fee Letter. With regard to the Liquidity Facility Second Amendment, the Commission approves and authorizes the General Manager to execute a name change from The Bank of Tokyo-Mitsubishi UFJ, Ltd. to MUFG Bank, Ltd.

Section 2. Limitations. Consistent with Ordinance No. 266-06, in no event shall the commercial paper notes exceed $750,000,000 in aggregate principal amount and in no event shall the interest rate or interest rates cause the aggregate average interest cost to exceed 12% per annum, and in no event shall the term of any bank reimbursement obligation exceed 10 years from the date of its original execution.

Section 3. Offering Memorandum. Consistent with Ordinance No. 266-06, the General Manager or his or her designee, in consultation with the City Attorney and the Director, is hereby

amount of not to exceed $150 million of commercial paper notes outstanding at any one time; and

WHEREAS, The Commission has authorized pursuant to Resolution No. 14-0139, approved by the Commission on August 26, 2014, and the Board has approved pursuant to Resolution No. 378-14, adopted by the Board on September 30, 2014, and signed by the Mayor on October 9, 2014, a resolution to authorize, an increase in the Wastewater CP Program to an aggregate principal amount not to exceed $500 million of commercial paper notes outstanding at any one time from a not to exceed amount of $300 million of commercial paper notes; and

WHEREAS, The Commission has authorized pursuant to Resolution No. 17-0086, approved by the Commission on April 25, 2017, and the Board has approved pursuant to Resolution No. 193-17, adopted by the Board on May 23, 2017, and signed by the Mayor on May 26, 2017, a resolution to authorize, an increase in the Wastewater CP Program to an aggregate principal amount not to exceed $750 million of commercial paper notes outstanding at any one time from a not to exceed amount of $500 million of commercial paper notes; and

WHEREAS, Pursuant to Article V and Ordinance No. 266-06, the Commission is authorized to negotiate and execute credit or liquidity facilities to support the commercial paper notes and any additional agreements related thereto; and

WHEREAS, In connection with one series of commercial paper notes designated the "Series A-4 Notes," and pursuant to Resolution No. 12-0119, approved by the Commission on June 26, 2012, and Resolution No. 15-0148, approved by the Commission on June 23, 2015, the Commission previously entered into a Revolving Credit and Term Loan Agreement, dated as of July 1, 2012, as amended by a First Amendment to Revolving Credit and Term Loan Agreement, dated as of July 10, 2015 (collectively, the "Liquidity Facility"), each by and between the Commission and The Bank of Tokyo-Mitsubishi UFJ, Ltd., acting through its New York Branch ("BTMU"); and

WHEREAS, In connection with the Liquidity Facility, the Commission also entered into a Fee Letter, dated as of July 1, 2012, as amended and restated by an Amended and Restated Fee Letter, dated as of July 10, 2015 (the "2015 Fee Letter"), each by and between the Commission and BTMU; and

WHEREAS, The Liquidity Facility expires on July 10, 2018; and

WHEREAS, The SFPUC desires to extend the term of the Liquidity Facility by one year with an annual fee of 0.375% pursuant to a Second Amendment to the Revolving Credit and Term Loan Agreement (the "Liquidity Facility Second Amendment"); and

WHEREAS, Since the time of the execution of the First Amendment to the Liquidity Facility, BTMU has changed its name to MUFG Bank, Ltd., and therefore a name change is now required as part of the Second Amendment; and

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0112

WHEREAS, On November 5, 2002, the voters of the City and County of San Francisco (the "City") approved Proposition E, which among other things, authorized the San Francisco Public Utilities Commission (the "Commission") to issue indebtedness, including revenue bonds, notes, commercial paper or other forms of indebtedness, when authorized by ordinance approved by a two-thirds vote of the Board of Supervisors of the City (the "Board"), for the purpose of reconstructing, replacing, expanding, repairing or improving wastewater facilities under the jurisdiction of the Commission (the "Wastewater Enterprise"); and

WHEREAS, Pursuant to Section 43.5 of the San Francisco Administrative Code ("Article V"), enacted by Ordinance No. 203-98 adopted by the Board on June 8, 1998, and signed by the Mayor of the City on June 19, 1998, as amended by Ordinance No. 270-06, adopted on October 24, 2006 by the Board and signed by the Mayor on October 31, 2006, the Board established a procedure pursuant to which the Commission may issue short-term indebtedness, including the issuance of commercial paper in anticipation of the issuance of its revenue bonds; and

WHEREAS, Under Section 8B.124 of the City Charter (the "Charter"), the Board's authority to authorize an issuance of debt under Proposition E is subject to its receipt of a certification from an independent engineer that (i) the projects to be financed by such debt meet utility standards and (ii) estimated net revenue will be sufficient to meet operating, maintenance, debt service coverage and other indenture or resolution requirements (the "Engineer Certification"); and

WHEREAS, The Board's authority to authorize an issuance of debt under Proposition E is also subject to its receipt of a certification from the San Francisco Planning Department that facilities financed with such debt will comply with applicable requirements of the California Environmental Quality Act (together with the Engineer Certification, the "Proposition E Certificates"); and

WHEREAS, The Commission has previously authorized pursuant to Resolution No. 06-0164, approved by the Commission on September 26, 2006, and the Board has previously approved pursuant to Ordinance No. 266-06, adopted by the Board on October 24, 2006, and signed by the Mayor on October 31, 2006, the establishment of a commercial paper program for the Wastewater Enterprise (the "Wastewater CP Program") and the issuance of up to $150 million in aggregate principal amount of commercial paper notes outstanding at any one time; and

WHEREAS, The Commission has authorized pursuant to Resolution No. 11-0197, approved by the Commission on December 13, 2011, and the Board has approved pursuant to Ordinance No. 91-12, adopted by the Board on May 1, 2012, and signed by the Mayor on May 14, 2012, an ordinance to authorize, an increase in the Wastewater CP Program to an amount not to exceed $300 million of commercial paper notes outstanding at any one time from a principal

Ayes: Courtney, Caen, Vietor, and Moran

The Commission Secretary read the Closed Session items.

16. Public Comment on matters to be addressed during Closed Session
    - *Peter Drekmeier asked for a public meeting regarding the Bay Delta Plan. He asked that Closed Session deliberations be disclosed.*

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

    On Motion to assert:
    Ayes: Courtney, Caen, Vietor, and Moran

    The Commission entered Closed Session at 3:06 PM.

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (3) and San Francisco Administrative Code Section 67.10 (d) (2)
    Anticipated Litigation as Plaintiff

    Commissioner Vietor departed the meeting at 3:58 PM.

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
    Existing Litigation
    Restore Hetch Hetchy v City and County of San Francisco
    California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
    City Law No.: 151139 / Date Filed July 12, 2016

    The Commission exited Closed Session at 4:14 PM.

20. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

    On Motion not to disclose:
    Ayes: Courtney, Caen, and Moran

21. Other New Business
    None.

22. Adjournment
    VP Courtney adjourned the meeting at 4:15 PM.

asked to review the testing and environmental condition, and at that time can approve the environmental condition, approve a strategy for remediation, or terminate the agreement. She continued reviewing key agreement terms, and discussed conditions that must occur prior to closing.

Ms. Russell responded to a question from VP Courtney as whether staff will be relocated to a modern temporary facility.

Director Russell responded to a question from Commissioner Vietor as to who is responsible if remediation cost exceeds the developer's commitment of $100,000. Ms. Russell responded to a follow-up question from Commissioner Vietor as to whether there is a price point over $100,000 that will cease the project. Commissioner Vietor asked that staff watch the process carefully, and that she does not want to put workers' health at risk.

Commissioner Moran noted the appraisal report clearly indicates the appraisal does not account for remediation costs. He noted that a third-party assessment of the site should result in a good site assessment and estimate of remediation costs. He stated when the item returns to the Commission for possible approval the Commission will have the opportunity to make sure the ultimate project price is viable, considering remediation costs the SFPUC may incur, and that it meets Charter requirements to buy and sell property at fair market value. Ms. Russell responded to a question from Commissioner Moran as to timeline. He noted that 639 Bryant can't be declared surplus until a new location is secured.

Ms. Russell stated if the transaction goes thru the SFPUC will save approximately $7M in rent over next 11 years.

VP Courtney asked about requirements for affordable housing, open space, prevailing wage, etc., for the project.

GM Kelly, Jr. provided additional background on the project.

Mr. Henry Sears, representing the developer, described the project detail including housing allocation (affordable and market rate), office space, public park space, union workers, etc.

Director Russell responded to a question from Commissioner Caen regarding how the lease option for 651 Bryant Street will work.

Mr. Sears responded to a question from Commissioner Caen regarding the project timeline and stated that all approvals must be met before the project will happen.

No public comment.

On Motion to approve item 15:

14. Approve the plans and specifications, and award Contract No. WW-676, As-Needed Sewer Cleaning and Inspection (FY-19), for a total contract amount not-to-exceed $1,974,980, which does not exceed the engineer's estimate of $2,104,000, to the sole, qualified, responsible and responsive bidder, Pipe and Plant Solutions, Inc., as permitted under San Francisco Administrative Code Section 6.23(c)(2), to clean and inspect existing sewers on an as-needed basis at locations to be determined throughout San Francisco. (Resolution 18-0120)
AGM How introduced the item and discussed the sole bid received, which was under the engineer's estimate.

No public comment.

On Motion to approve item 14:
Ayes: Courtney, Caen, Vietor, and Moran

15. Authorize the General Manager to negotiate and execute a Conditional Land Disposition and Acquisition Agreement by and between the City and County of San Francisco acting through its Public Utilities Commission and 2000 Marin Property, L.P. (Developer), providing for the City's future transfer of real property at 639 Bryant Street (Block 3777, Lot 052) in exchange for acquiring 2000 Marin Street (Block 4346, Lot 002), and including the Developer reimbursing the SFPUC for certain costs, with closing conditioned on several factors, including the SFPUC Commission's discretionary approval of the environmental condition of the 2000 Marin Street property after completion of all necessary environmental review, including a Phase 2 environmental analysis, subject to approval by the Board of Supervisors; and adopt a finding declaring that 639 Bryant Street will be surplus to SFPUC's utility needs upon and effective upon the date of close of escrow on the proposed land exchange transaction. (Resolution 18-0121)
Rosanna Russell, Director of Real Estate, began her presentation with a map showing the location of 639 Bryant, a 1.37-acre SFPUC-owned parcel with an appraised fair market value of $63,875,000. She discussed the lease for the adjacent property located at 651 Bryant, noting the lease expires in October 2019, but has a 10-year option to extend.

Ms. Russell stated a land exchange was proposed by the owner of the 2000 Marin property (7.98-acre property with a 74,000-square foot building with an appraised fair market value of $63,600,000), for the 639 Bryant property.

Ms. Russell stated the former uses of 2000 Marin caused soils contamination and has a deed covenant that subjects the project to oversight by the California Department of Toxic Substances Control (DTSC). Any disturbance of the asphalt cap requires DTSC consent and oversight and possible soils remediation.

Director Russell reviewed key terms of the agreement, emphasizing oversight costs do not include remediation costs. She indicated the Commission will be

Series 2018 ABC WW Revenue Bonds; (10) Senate Bill 450 Requirement; (11) Form of Transaction Documents: Preliminary Official Statement, Supplemental Indentures 6th, 7th and 8th, Bond Purchase Contract, and Continuing Disclosure Certificate; (12) Disclosure questions and answers; (13) Transaction Schedule; and (14) Recommended Commission Action.

AGM Sandler responded to a question from Commissioner Caen as to how the bonds will impact Series C Bond rates.

No public comment.

On Motion to approve item 10:
Ayes: Courtney, Caen, Vietor, and Moran

11. Approve modification of the San Francisco Public Utilities Commission's Non-potable Grant Program to: (1) allow non-potable water projects to qualify for up to $100,000 in grant assistance if the projects replace at least 450,000 gallons of potable water per year; and (2) add grant requirements for brewery process water treatment systems seeking grant assistance. (Resolution 18-0118)
Steve Ritchie, AGM Water, introduced the item and requested Commission approval.

No public comment.

On Motion to approve item 11:
Ayes: Courtney, Caen, Vietor, and Moran

The Commission Secretary noted item 12 was removed from calendar.

12. Approve CleanPowerSF's Integrated Resource Plan (IRP) Compliance Filing and authorize the General Manager to submit the IRP Compliance Filing to the California Public Utilities Commission.

13. Approve the General Manager's Determination that it is in the City's best interest to terminate the performance of work under Contract No. HH-990R, Moccasin Penstock Rehabilitation with Anvil Builders, pursuant to San Francisco Administration Code, Section 6.22l). (Resolution 18-0119)
Kathy How, AGM Infrastructure, introduced the item and summarized the request to termination the performance of work and to rebid the contract.
AGM How responded to a question from Commissioner Caen as to why the contract will be rebid.

AGM How responded to a question from Commissioner Moran as to whether there are mobilization costs.

No public comment.
On Motion to approve item 13:
Ayes: Courtney, Caen, Vietor, and Moran

total contract duration of 465 consecutive calendar days, with no change to the contract amount. (Resolution 18-0114)

d) Approve the plans and specifications, and award **Contract No. WW-611**, Cutler Avenue, Lower Great Highway, Sloat Boulevard, and Wawona Street Sewer Replacement, in the amount of $2,148,790, with a duration of 315 consecutive calendar days, to the lowest, qualified, responsible, and responsive bidder, JDB & Sons Construction Inc., to replace the existing sewers on specified streets in the Outer Sunset neighborhood of San Francisco. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0115)

e) Approve an increase to the existing construction cost contingency in the amount of $63,022 for **Contract No. WW-640**, As-Needed Sewer Cleaning and Inspection (FY-17), with Pipe and Plant Solutions, Inc.; and authorize the General Manager to approve future modifications to the contract for a total contract amount of up to $1,809,492, with no change to the contract duration. (Resolution 18-0116)

No public comment.

On Motion to approve items 9a through 9e:
Ayes: Courtney, Caen, Vietor, and Moran

10. Authorize the Issuance of up to $675 million of the 2018 Series ABC Wastewater Revenue Bonds through two separate bond sales as follows: (1) the 2018 Series AB Wastewater Revenue Bonds, consisting of two sub-series of bonds (Sub-Series A (Sewer System Improvement Program (SSIP) – Green Bonds) and Sub-Series B (Non-SSIP)); and (2) the 2018 Series C Wastewater Revenue Bonds, consisting of one sub-series of bonds (Sub-Series C (SSIP – Green Bonds)), and approve the form of, and authorize the execution and delivery of, related documents; authorize the General Manager to sell the 2018 Wastewater Bonds in one or more series of bonds on either a competitive or negotiated basis as the General Manager determines is in the best financial interest of the San Francisco Public Utilities Commission; delegate to the General Manager authorization to award each series of bonds to the highest bidder (lowest cost) in the case of a competitive sale; and delegate to the General Manager authorization to enter into one or more bond purchase contracts in the case of a negotiated sale. (Resolution 18-0117)
Eric Sandler, CFO and AGM Business Services, presented the Wastewater (WW) Revenue Bond Sales: (1) Review of 2018 Capital Financing Plan; (2) WW Capital Financing strategy (upward pressure on rates and charges; and actively manage capital financing costs); (3) Alternatives to long-term fixed rate debt; (4) Low-cost alternative to revenue bonds (State Revolving Fund loans, and Water Infrastructure Finance and Innovation Act loans); (5) Transaction description of Series 2018 ABC WW Revenue Bonds; (6) Series 2018 C Structure; (7) Plan of Finance; (8) Proposed Indenture amendments; (9) Sources and Uses of funds:

Michael Hyams, CPSF Director, provided a CPSF update: (1) Enrollment and Service to Customers: Serving 81,000 accounts; 3.2% opt-out out; 4.2% SuperGreen upgrade; July 27,000 additional commercial accounts will be added; Two of four enrollment notices have been mailed, with the third and fourth to be sent in the next two months; Opt-out rate for July enrollment is 1.6%; Annual CPSF and PG&E joint rate mailer has been sent to all 115,000 CPSF customers; (2) Regulatory: CPSF Integrated Resource Plan approval (item 12) has been moved to the July 24, 2018 agenda.

Mr. Hyams responded to a question from Commissioner Vietor regarding the opt-out mailer and if the option to enroll into Super Green is noted.

Public Comment

- *Aleta Dupree expressed encouragement with the CPSF enrollment and stated conversations are needed as to where the program is headed.*

b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
GM Kelly introduced Mr. Greg Norby, newly hired Assistant General Manager (AGM), Wastewater. He thanked Mr. Brian Henderson for serving as Acting AGM.

No public comment.

9. *Consent Calendar*

a) Approve the Second Amendment to the Revolving Credit and Term Loan Agreement with The Bank of Tokyo-Mitsubishi UFJ, Ltd., in support of the Proposition E Wastewater Enterprise Interim Funding Program extending the Agreement by one year, for a total duration of seven years; authorize the General Manager to execute and deliver the Second Amendment and the Second Amended and Restated Fee Letter associated with this transaction and to execute a name change from The Bank of Tokyo-Mitsubishi UFJ, Ltd., to MUFG Bank, Ltd.; and authorize the General Manager to execute future amendments extending the term of the Agreement by up to two additional years. (Resolution 18-0112)

b) Approve an increase to the existing construction contract duration contingency of 79 consecutive calendar days to Contract No. WD-2818, Sunol Valley Water Treatment Plant SCADA Server Room; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration of up to 346 consecutive calendar days, with no change to the contract amount. (Resolution 18-0113)

c) Approve an increase of 60 consecutive calendar days to the existing construction contract duration contingency for Contract No. WW-610R, Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnyvale Pavement Improvements with Minerva Construction Inc.; and authorize the General Manager to approve future modifications to the contract up to a

d) Annual Electric Reliability Compliance Program Report
e) Non-potable Water Program Update FY 16/17 and FY 17/18
f) Response to BAWSCA's Recommendations on the Proposed March 2018 Revised WSIP
g) Water Supply Conditions Update

No public comment.

6. Other Commission Business
General Manager (GM) Kelly, Jr., responded to a question from Commissioner Vietor regarding the timeline and recommendations for the Bay Delta Plan.

No public comment.

7. Employee Retirement Recognitions: The Commission will recognize the following employees for their distinguished years of service to the SFPUC
   - Paul Martini, Wastewater Enterprise, 31-1/2 years of service
   GM Kelly summarized Mr. Martini's career, noting he began his career as a truck driver with subsequent promotions. GM Kelly stated Mr. Martini's co-workers praise him for his professionalism, diligence, and dedication.

   Mr. Martini thanked the Commission and stated he enjoyed his SFPUC career.

   - Christopher Molina, Wastewater Enterprise, 35-1/2 years of service
   GM Kelly summarized Mr. Molina's career, noting he began his career as a 9916 Public Service Aide. GM Kelly stated Mr. Molina's is co-workers praise him for his integrity, professionalism, and generosity.

   Mr. Molina thanked the Commission. He discussed growing up in the Bayview and his career at the Bayview Wastewater Treatment Plant.

   - Yolanda Alcantar, Business Services, 30 years of service
   GM Kelly summarized Ms. Alcantar's career, noting she began her career as an analyst in the budget unit. GM Kelly stated Ms. Alcantar's has never backed away from an assignment or opportunity to assist her colleagues.

   Ms. Alcantar thanked the Commission. She discussed her SFPUC career.

   The retirees were presented with certificates and had a group photo taken with the Commission.

   No public comment.

8. Report of the General Manager
   a) CleanPowerSF (CPSF) Update

1. Call to Order
   Vice President (VP) Courtney called the meeting to order at 1:36 PM.

2. Roll Call
   Present: Ayes: Courtney, Caen, Vietor, and Moran
   Excused: Kwon

   VP Courtney announced item 12 would not be heard.

3. Approval of the Minutes of June 26, 2018
   On Motion to approve the Minutes of June 26, 2018:
   Ayes: Courtney, Caen, Vietor, and Moran

   No public comment.

4. General Public Comment
   - *Dave Warner discussed meeting with SFPUC staff regarding socioeconomic studies. He asked that the SFPUC hold-off on providing comment letters to the State Water Board the until further meetings are held.*
   - *Cindy Charles, San Francisco Golden West Women Fly Fishers, discussed the State Water Board's release of flow criteria.*
   - *Algta Dupree spoke about CleanPowerSF and discussed the Alameda County Commercial Community Choice Aggregation Program.*
   - *Tom Schwertscharf, SPAWN, stated increased flows are necessary to help the ecological systems return. He requested that the flow rate be raised from 40% to 60%.*
   - *Ian Wren, San Francisco Bay Keeper, discussed the Bay Delta Plan and expressed support for flows in excess of 40%.*
   - *Peter Drekmeier, Tuolumne River Trust, discussed results of their May survey of 402 registered San Francisco voters regarding attitudes toward water conservation, supply management and distribution.*

     Mr. Drekmeier responded to questions from VP Courtney and Commissioners Caen regarding polling and selection of respondents.

     Commissioner Vietor stated she would share seawall polling data with VP Courtney.

   - *Mark Gonzales addressed the Bay Delta Plan Update and stated 60% flow should be allocated.*
   - *Hunter Cutting, Sierra Club, discussed the Bay Delta and Water Resources Control Board Plans, stating they are a leadership test for the SFPUC.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

Draft Minutes
Tuesday, July 10, 2018
(Approved July 24, 3018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

REVISED

NOTICE OF PUBLIC HEARING

PUBLIC HEARING TO CONSIDER ADOPTION OF RULES FOR BILLING UNMETERED PROPERTIES A PORTION OF THE MONTHLY SEWER SERVICE CHARGES ATTRIBUTABLE TO STORMWATER RUNOFF FROM THEIR PROPERTIES

SAN FRANCISCO PUBLIC UTILITIES COMMISSION

REGULAR MEETING

TUESDAY, *JULY 24*, 2018, 1:30 P.M.

CITY HALL, ROOM 400

1 Dr. Carlton B. Goodlett Place

San Francisco, CA, 94102

At its regular meeting on *July 24*, 2018, 1:30 PM, City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA, 94102, the San Francisco Public Utilities Commission (SFPUC) will consider adopting rules for billing property owners without existing water or wastewater service (i.e., unmetered properties) a portion of the SFPUC monthly sewer service charges attributable to stormwater runoff from their properties. A draft of the proposed rules and additional information is available at sfwater.org/unmetered sewer.

Persons attending the hearing and those unable to attend may submit written comment regarding the proposed policy. Such comments will be made part of the official public record and will be brought to the attention of the Commission. Written comments should be submitted to the San Francisco Public Utilities Commission, c/o Donna Hood, Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102.

The proposed rules will be available 72 hours in advance of the *July 24*, 2018 meeting.

Posted: July 2, 2018

16. Public Comment on matters to be addressed during Closed Session

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (3) and San Francisco Administrative Code Section 67.10 (d) (2) (discussion only) (Knapp)

Anticipated Litigation as Plaintiff

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Milstein)

Existing Litigation
Restore Hetch Hetchy v City and County of San Francisco
California Court of Appeal, Fifth Appellate District Court, Case No.: F074107
City Law No.: 151139 / Date Filed July 12, 2016

20. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

21. Other New Business (discussion only)

22. Adjournment

the 2018 Series AB Wastewater Revenue Bonds, consisting of two sub-series of bonds (Sub-Series A (Sewer System Improvement Program (SSIP) – Green Bonds) and Sub-Series B (Non-SSIP)); and (2) the **2018 Series C Wastewater Revenue Bonds**, consisting of one sub-series of bonds (Sub-Series C (SSIP – Green Bonds)), and approve the form of, and authorize the execution and delivery of, related documents; authorize the General Manager to sell the 2018 Wastewater Bonds in one or more series of bonds on either a competitive or negotiated basis as the General Manager determines is in the best financial interest of the San Francisco Public Utilities Commission; delegate to the General Manager authorization to award each series of bonds to the highest bidder (lowest cost) in the case of a competitive sale; and delegate to the General Manager authorization to enter into one or more bond purchase contracts in the case of a negotiated sale. (Sandler)

11. 180118 Approve modification of the San Francisco Public Utilities Commission's **Non-potable Grant Program** to: (1) allow non-potable water projects to qualify for up to $100,000 in grant assistance if the projects replace at least 450,000 gallons of potable water per year; and (2) add grant requirements for brewery process water treatment systems seeking grant assistance. (Ritchie)

12. Removed from Calendar Approve **CleanPowerSF's Integrated Resource Plan** (IRP) Compliance Filing and authorize the General Manager to submit the IRP Compliance Filing to the California Public Utilities Commission. (Hale)

13. 180119 Approve the General Manager's Determination that it is in the City's best interest to terminate the performance of work under **Contract No. HH-990R**, Moccasin Penstock Rehabilitation with Anvil Builders, pursuant to San Francisco Administration Code, Section 6.22(l). (How)

14. 180120 Approve the plans and specifications, and award **Contract No. WW-676**, As-Needed Sewer Cleaning and Inspection (FY-19), for a total contract amount not-to-exceed $1,974,980, which does not exceed the engineer's estimate of $2,104,000, to the sole, qualified, responsible and responsive bidder, Pipe and Plant Solutions, Inc., as permitted under San Francisco Administrative Code Section 6.23(c)(2), to clean and inspect existing sewers on an as-needed basis at locations to be determined throughout San Francisco. (How)

15. 180121 Authorize the General Manager to negotiate and execute a **Conditional Land Disposition and Acquisition Agreement** by and between the City and County of San Francisco acting through its Public Utilities Commission and 2000 Marin Property, L.P. (Developer), providing for the City's future transfer of real property at 639 Bryant Street (Block 3777, Lot 052) in exchange for acquiring 2000 Marin Street (Block 4346, Lot 002), and including the Developer reimbursing the SFPUC for certain costs, with closing conditioned on several factors, including the SFPUC Commission's discretionary approval of the environmental condition of the 2000 Marin Street property after completion of all necessary environmental review, including a Phase 2 environmental analysis, subject to approval by the Board of Supervisors; and adopt a finding declaring that 639 Bryant Street will be surplus to SFPUC's utility needs upon and effective upon the date of close of escrow on the proposed land exchange transaction. (Carlin)

which event the matter will be removed from the Calendar and considered as a separate item.

a) Approve the **Second Amendment to the Revolving Credit and Term Loan Agreement with The Bank of Tokyo-Mitsubishi UFJ, Ltd.**, in support of the Proposition E Wastewater Enterprise Interim Funding Program extending the Agreement by one year, for a total duration of seven years; authorize the General Manager to execute and deliver the Second Amendment and the Second Amended and Restated Fee Letter associated with this transaction and to execute a name change from The Bank of Tokyo-Mitsubishi UFJ, Ltd., to MUFG Bank, Ltd.; and authorize the General Manager to execute future amendments extending the term of the Agreement by up to two additional years. (Sandler)

180112

b) Approve an increase to the existing construction contract duration contingency of 79 consecutive calendar days (approximately three months) to **Contract No. WD-2818**, Sunol Valley Water Treatment Plant SCADA Server Room; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration of up to 346 consecutive calendar days (approximately 11 months), with no change to the contract amount. (How)

180113

c) Approve an increase of 60 consecutive calendar days to the existing construction contract duration contingency for **Contract No. WW-610R**, Visitacion Valley Green Nodes, Rutland Street Sewer, and Sunnyvale Pavement Improvements with Minerva Construction Inc.; and authorize the General Manager to approve future modifications to the contract up to a total contract duration of 465 consecutive calendar days (approximately one year and three months), with no change to the contract amount. (How)

180114

d) Approve the plans and specifications, and award **Contract No. WW-611**, Cutler Avenue, Lower Great Highway, Sloat Boulevard, and Wawona Street Sewer Replacement, in the amount of $2,148,790, with a duration of 315 consecutive calendar days (approximately 10 and one-half months), to the lowest, qualified, responsible, and responsive bidder, JDB & Sons Construction Inc., to replace the existing sewers on specified streets in the Outer Sunset neighborhood of San Francisco. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180115

e) Approve an increase to the existing construction cost contingency in the amount of $63,022 for **Contract No. WW-640**, As-Needed Sewer Cleaning and Inspection (FY-17), with Pipe and Plant Solutions, Inc.; and authorize the General Manager to approve future modifications to the contract for a total contract amount of up to $1,809,492, with no change to the contract duration. (How)

180116

REGULAR SESSION

10. Authorize the Issuance of up to $675 million of the **2018 Series ABC Wastewater Revenue Bonds** through two separate bond sales as follows: (1)

180117

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of June 26, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Electric Reliability Compliance Program Report
   e) Non-potable Water Program Update FY 16/17 and FY 17/18
   f) Response to BAWSCA's Recommendations on the Proposed March 2018 Revised WSIP
   g) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Employee Retirement Recognitions: The Commission will recognize the following employees for their distinguished years of service to the SFPUC (discussion only) (Kelly, Jr.)
   - Paul Martini, Wastewater Enterprise, 31-1/2 years of service
   - Christopher Molina, Wastewater Enterprise, 30-1/2 years of service
   - Yolanda Alcantar, Business Services, 30 years of service

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

9. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in*

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ ' าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

Mark Farrell
Mayor

AGENDA
Tuesday, July 10, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

WHEREAS, Amendment No. 5 is requested to increase the agreement amount by $2,415,000 to $30,915,000 and extend the term by thirteen months to July 10, 2020, in order to provide additional engineering support during construction, start-up, and commissioning of the project and to allow for post-construction monitoring to be performed by the engineer of record for a minimum of one year past the project construction completion; and

WHEREAS, The Contract Monitoring Division (CMD) established subconsulting goals of 13% Minority Business Enterprise (MBE) and 8% Women Business Enterprise (WBE) participation, and URS Corporation proposed to meet this goal with MBE/WBE participation of 15% and 9%, respectively, as part of the original Agreement; and

WHEREAS, The actual MBE/WBE participation as of March 2018 is approximately 13.7% due to several significant scope of work changes that occurred during the course of the contract and significantly impacted URS Corporation's ability to meet the goal; and

WHEREAS, Based on the cumulative contract dollar amount to date and projected amounts in Amendment No. 5, CMD has approved this amendment resulting in a projected MBE/WBE subconsulting participation of 13.2% by the expiration of this agreement; and

WHEREAS, Funds for this agreement are available from Project CUW37401 – Calaveras Dam Replacement; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 5 to Water Enterprise, Water System Improvement Program-funded Agreement No. CS-716, Engineering Services, Calaveras Dam Replacement Project, with URS Corporation to provide engineering support during construction, start-up, and commissioning of the project, and authorizes the General Manager to negotiate and execute Amendment No. 5, increasing the agreement by $2,415,000,for a total agreement amount of $30,915,000, and extending the term by thirteen months for a total agreement duration of sixteen years, ten months, subject to Board of Supervisors approval pursuant to Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0111**

WHEREAS, On June 10, 2003, per Resolution No. 03-0117, this Commission awarded Agreement No. CS-716, Engineering Services, Calaveras Dam Replacement Project, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in the amount of $4,000,000, and with a term of four years concluding on September 10, 2007, with URS Corporation; and

WHEREAS, On July 26, 2005, per Resolution No. 05-0120, this Commission approved Amendment No. 1 to Agreement No. CS-716, increasing the agreement amount by $8,000,000 to $12,000,000 and extending the term by two years to September 10, 2009, to continue URS Corporation professional engineering services for detailed and final design of the Calaveras Dam Replacement Project; and

WHEREAS, On March 11, 2008, per Resolution No. 08-0041, this Commission approved Amendment No. 2 to Agreement No. CS-716, increasing the agreement amount by $1,900,000 to $13,900,000 and with no change in duration, to provide additional engineering services for the final design as well as environmental support services to facilitate the completion of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents and obtain required environmental permits; and

WHEREAS, On May 12, 2009, per Resolution No. 09-0079, this Commission approved Amendment No. 3 to Agreement No. CS-716, increasing the agreement amount by $10,100,000 to $24,000,000 and extending the agreement term by seven years to September 10, 2016, to provide additional design, environmental and permitting services needed prior to construction to address the naturally occurring asbestos (NOA) and fisheries issues, provide designs to mitigate impacts associated with the Calaveras Dam Replacement Project to be implemented under the Habitat Reserve Program, provide supplemental dam safety engineering analyses requested by the California Division of Safety of Dams (DSOD), and ongoing permitting support, and to provide engineering support during construction, start-up, and commissioning of the project; and

WHEREAS, On May 27, 2014, per Resolution No. 14-0087, this Commission awarded Amendment No. 4 to Agreement No. CS-716, increasing the agreement amount by $4,500,000 to $28,500,000 and extending the agreement term by two years and nine months to June 10, 2019, to provide additional engineering support during construction, start-up, and commissioning of the project; and

WHEREAS, Funds for this agreement are available from the WSIP, SSIP, and HCIP projects, as well as from other capital projects from the Water, Wastewater, and Power Enterprises; now, therefore, be it

RESOLVED, That this Commission hereby approves the assignment of Agreement No. CS-242D, As-Needed Environmental Support, from RMC Water and Environment to Woodard & Curran, Inc., and authorizes the General Manager of the SFPUC to negotiate and execute an Assignment and Assumption Agreement with Woodard & Curran, Inc., in a form approved by the City Attorney; and be it

FURTHER RESOLVED, That this Commission hereby approves Amendment No. 3 to Agreement No. CS-242D, As-Needed Environmental Support, in order to continue to support capital projects, and authorizes the General Manager of the SFPUC to execute a professional services amendment in an amount of $4,000,000, for a total not-to-exceed agreement amount of $9,600,000, with no change to the agreement duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0110**

WHEREAS, On December 11, 2012, per Resolution No. 12-0223, this Commission awarded Agreement No. CS-242D, As-Needed Environmental Support, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in the amount of $3,750,000 and with a term of five years, with RMC Water and Environment, to assist the SFPUC with as-needed environmental support for Water System Improvement Program (WSIP), Sewer System Improvement Program (SSIP), Hetch Hetchy Capital Improvement Projects (HCIP), and other capital projects; and

WHEREAS, On November 4, 2016, Woodward & Curran, Inc. ("Assignee") acquired RMC Water and Environment ("Assignor") through a stock purchase agreement. Because the Assignee controls Assignor's Board of Directors and employees, and has agreed to assume all obligations and liabilities of the Assignor under the Agreement, it is in the City's best interests to assign the agreement to transfer all obligations to Assignee; and

WHEREAS, Assignor is currently performing services that are needed to assist the SFPUC with as-needed environmental support including preparation of environmental documents to meet California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements, permit applications required by federal and State resource agencies, management of environmental construction compliance activities for capital projects, and biological, cultural resources, air quality, and other specialized environmental resource services; and

WHEREAS, Because the Assignee will continue to provide the services under the Agreement using the same staff, the SFPUC has determined that the Assignee is in a position to fully perform all obligations that may exist under the Agreement; and

WHEREAS, SFPUC desires to enter into an Assignment and Assumption Agreement with Assignor, with all the terms and conditions of the CS-242D Agreement remaining in full force and effect; and

WHEREAS, Amendment No. 1 was approved by this Commission on August 9, 2016 by Resolution No. 16-0165 to extend the agreement duration by four years to January 30, 2022, in order to continue providing environmental analysis services, permitting support, and specialized environmental and other technical expertise; and

WHEREAS, Amendment No. 2 was approved by this Commission on March 28, 2017 by Resolution No. 17-0055 to increase the agreement by $1,850,000, for a total not-to-exceed amount of $5,600,000, in order to continue providing environmental support to WSIP, SSIP, HCIP, and other capital projects; and

WHEREAS, Amendment No. 3 is being requested to increase the agreement by $4,000,000, for a total not-to-exceed amount of $9,600,000, in order to continue to support capital projects; and

WHEREAS, The Contract Monitoring Division has established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement; and

FURTHER RESOLVED, With regard to Agreement No. CS-242C only, the Commission approves and authorizes the General Manager to execute a name change from URS Corporation, a Nevada Corporation, dba URS Corporation Americas to URS Corporation.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0109

WHEREAS, On December 11, 2012, by Resolution No. 12-0223, this Commission awarded Agreement Nos. CS-242A–C, As-Needed Environmental Support, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute three individual professional services agreements, each in the amount of $3,750,000 and each with a term of five years, with Baseline Environmental Consulting (CS-242A), ESA+Orion Joint Venture (CS-242B), and URS Corporation, a Nevada Corporation, dba URS Corporation Americas (CS-242C); and

WHEREAS, Amendment No. 1 was approved by this Commission on August 9, 2016 by Resolution No. 16-0165 to extend each agreement's duration by four years to January 30, 2022, in order to continue providing environmental analysis services, permitting support, and specialized environmental and other technical expertise; and

WHEREAS, Amendment No. 2 was approved by this Commission on March 28, 2017 by Resolution No. 17-0055 to increase each agreement by $1,850,000, for a total not-to-exceed amount of $5,600,000 per agreement, in order to continue providing environmental support to Water System Improvement Program (WSIP), Sewer System Improvement Program (SSIP), Hetch Hetchy Capital Improvement Projects (HCIP), and other capital projects; and

WHEREAS, Amendment No. 3 is being requested to increase each of the agreements by $4,000,000, for a total not-to-exceed amount of $9,600,000 per agreement, in order to continue providing environmental support to WSIP, SSIP, HCIP, and other capital projects; and

WHEREAS, For Agreement No. CS-242C only, an additional amendment is requested to change the name from URS Corporation, a Nevada Corporation, dba URS Corporation Americas to URS Corporation to reflect a name change; and

WHEREAS, The Contract Monitoring Division has established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for these agreements; and

WHEREAS, Funds for these agreements are available from the WSIP, SSIP, and HCIP projects, as well as from other capital projects from the Water, Wastewater, and Power Enterprises; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 3 to WSIP-funded, SSIP-funded, HCIP-funded, and other capital projects-funded Agreement Nos. CS-242A–C, As-Needed Environmental Support, with Baseline Environmental Consulting (CS-242A), ESA+Orion Joint Venture (CS-242B), and URS Corporation Americas (CS-242C) to continue to provide environmental analyses, surveys, and reports, and prepare resource agency permit applications, and authorizes the General Manager to negotiate and execute amendments to CS-242A-C, each in the amount of $4,600,000, for a total not-to-exceed amount of $9,600,000 per agreement, with no change to the agreement duration; and be it

WHEREAS, During each year of the proposed grant agreement, new grade levels will be added such that, by 2022, all 56,000 students at SFUSD will encounter the SFPUC in their science curriculum at each grade level; and

WHEREAS, Educating students and their parents or guardians about water conservation, energy efficiency and conservation, renewable energy generation, watershed stewardship, water pollution and storm water pollution prevention, helps protect SFPUC assets and promotes the sustainability of SFPUC's utility operations; and

WHEREAS, SFPUC and SFUSD desire to enter into this Grant Agreement to authorize the SFUSD's use of SFPUC funding to help achieve the SFPUC's goals of integrating lesson plans pertaining to water conservation, energy efficiency and conservation, renewable energy generation, watershed stewardship, water pollution and storm water pollution prevention, and SFPUC operations and career awareness into SFUSD's science curriculum; and

WHEREAS, Funds are available upon execution of the grant agreement from the Water Enterprise, Wastewater Enterprise, Power Enterprise and External Affairs Bureau; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to negotiate and execute a Grant Agreement in substantially the form on file with the Commission Secretary with the San Francisco Unified School District to fund the integration of the SFPUC's Big Ideas Science, Technology, Engineering and Math (STEM) Education Framework into SFUSD science curriculum for all students K-12, in the amount of $370,000, and with a total duration of four (4) years.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of June 26, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0108**

WHEREAS, The mission of the San Francisco Public Utilities Commission (SFPUC) is to provide our customers with high-quality, efficient and reliable water, power and sewer services in a manner that values environmental and community interests and sustains the resources entrusted to our care; and

WHEREAS, The SFPUC, as the City's provider of water, power, and sewer services, values education as a core component of its Community Benefits Policy (2011) and has a goal of investing in the next generation of environmental stewards and helping those students to prepare for careers in Science, Technology, Engineering and Math (STEM) fields, particularly those fields that comprise the workforce of the SFPUC; and

WHEREAS, In alignment with these policies and values, the SFPUC produced *Big Ideas*, an educational framework linking the SFPUC's Water, Power and Sewer operations to K-12 academic standards, including ecoliteracy and Science, Technology, Engineering and Math (STEM) topics including water conservation, energy efficiency and conservation, renewable energy, watershed stewardship, and wastewater and stormwater pollution prevention; and

WHEREAS, The San Francisco Unified School District (SFUSD) is currently developing new Science curriculum for all students and all grades, K-12; and

WHEREAS, SFUSD desires to raise the awareness of teachers, students, and families by providing San Francisco public school teachers with an interdisciplinary methodology related to STEM topics including water conservation, energy efficiency and conservation, renewable energy, watershed stewardship, wastewater and stormwater pollution prevention; and

WHEREAS, The SFUSD STEM Department provides professional development for teachers, materials for classrooms that enable students to participate in hands-on learning, and engage in STEM Career and College preparedness opportunities for students and families that are aligned with SFUSD Policies, California Common Core State Standards and Next Generation Science Standards ("Standards"); and

WHEREAS, The SFPUC seeks to partner with the SFUSD as it implements this new Science curriculum by providing a grant to support SFUSD's integration of the SFPUC's *Big Ideas* educational STEM framework into new district-wide Science curriculum so that all students at SFUSD will be taught age-appropriate lessons aligned with academic standards that develop proficiency in water, power, and sewer operations; and

PROPOSED VARIANT PHASING STAGE 2

PROPOSED VARIANT PHASING STAGE 1

LEGEND

PROJECT SITE BOUNDARY

MAJOR PHASE 1

AREA BEING CONSTRUCTED

TEMPORARY ACCESS & AREA FOR CONSTRUCTION ACTIVITIES
CLEAR & GRUB, EXCAVATION & ROUGH GRADING, SOIL MANAGEMENT, LAYDOWN, STAGING, ACCESS, TEMPORARY FACILITIES, TEMPORARY ROADS & VEHICULAR ACCESS

BUILDINGS

UTILITIES

0 150 300
FEET

NORTH

PROPOSED PROJECT PHASING STAGE 2

LEGEND

PROJECT SITE BOUNDARY

MAJOR PHASE 2

TEMPORARY ACCESS &
AREA UNDER CONSTRUCTION:
CLEAR & GRUB, EXCAVATION & ROUGH GRADING, SOIL MANAGEMENT, LAYDOWN, STAGING, ACCESS, TEMPORARY FACILITIES, TEMPORARY ROADS & VEHICULAR ACCESS, BUILD OUT

BUILDINGS

UTILITIES

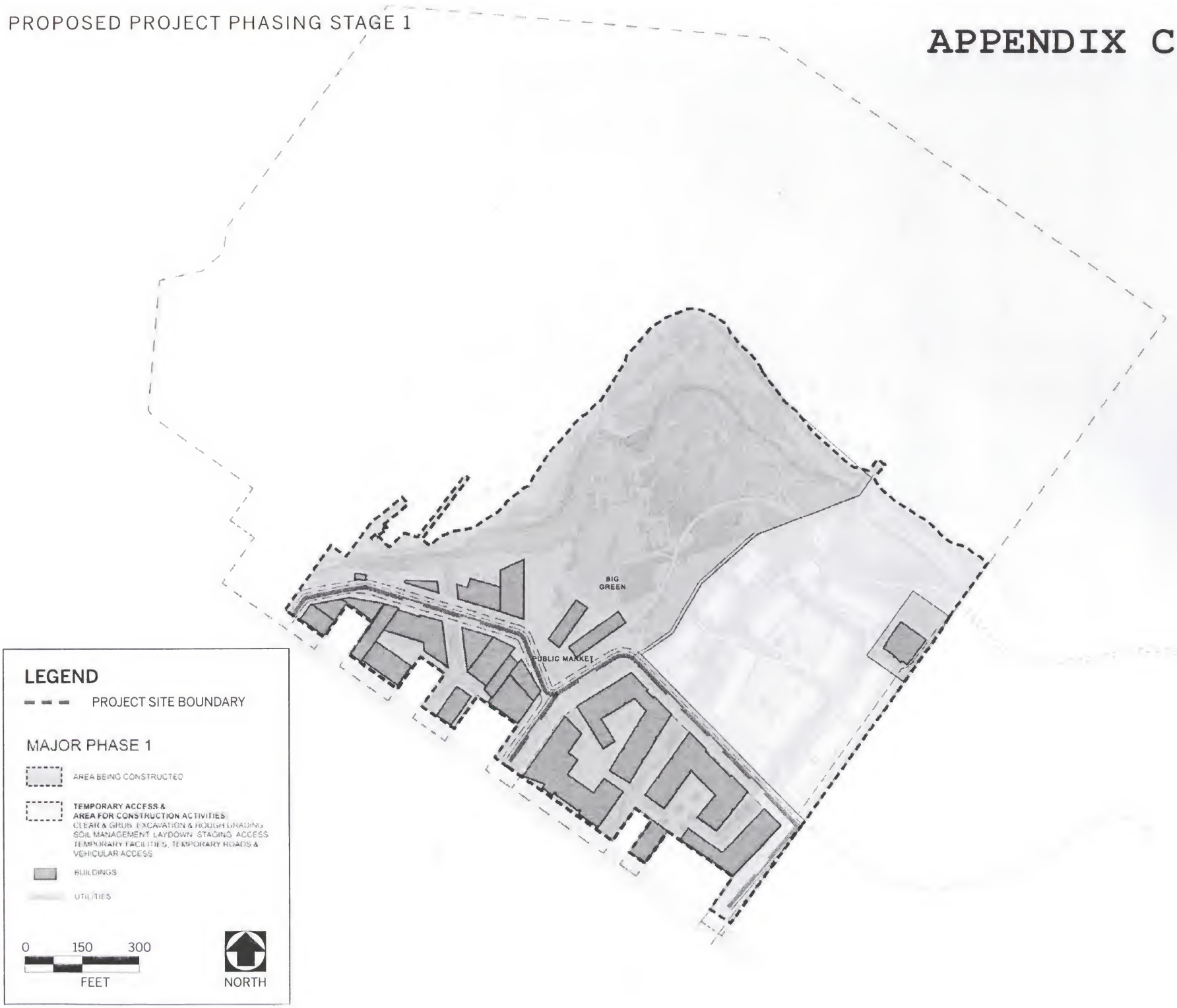
CONSTRUCTED BUILDINGS
(MAJOR PHASE 1)

0 150 300
FEET

NORTH

PROPOSED PROJECT PHASING STAGE 1

APPENDIX C



MAGNUSSON
KLEMENCIC
ASSOCIATES

Structural + Civil Engineers
1301 Fifth Avenue, Suite 3200 Seattle Washington 98101-2699 T: 206 292 1200 F: 206 292 1201 W: www.mka.com

water feature area and weather data. Water demands for the other park components were calculated based on the assumptions noted in Table 2.

Table 2. Water Demand Assumptions

Park Component	count	gpm	hr/day	day/yr	gal/yr	gal/d
Hose Bib - Kayak	2	10	2	275	660,000	1,808
Hose Bib - Fish	1	10	2	300	270,000	740
Drinking Fountain		0.13	2	300	24,000	66
	vis/day	**gal/vis**	**day/yr**	**gal/yr**	**Flow**	**Flush**
Restrooms	100	4	330	132,000	19,800	112,200
	vis/day	**gal/vis**	**day/yr**	**gal/yr**		
Concession	100	3	330	99,000		

APPENDIX B

Memo

MAGNUSSON
KLEMENCIC
ASSOCIATES

Structural + Civil Engineers
1301 Fifth Avenue, Suite 3200 Seattle Washington 98101-2699 T: 206 292 1200 F: 206 292 1201 W: www.mka.com

TO	Ashley Ludwig - GGN	DATE	7/12/2016
FROM	Drew Gangnes	PAGE	1 OF 1
PROJECT	**India Basin Park Concept Design**	PROJECT #	A2960.50
SUBJECT	Preliminary Water Demands		

This memo summarizes MKA's preliminary assessment of water demands for the new India Basin Park project.

Background

MKA has been providing civil engineering consulting to GGN as they prepare the conceptual design for a new India Basin Park. The new park will encompass the combined land area of the existing India Basin Shoreline Park (IBSP) and the 900 Innes site. The water demands noted in this memo are based on the conceptual park design and program provided by GGN.

Preliminary Water Demands

Table 1 summarizes the preliminary water demands for the project, with a breakdown by IBSP and 900 Innes sites. The "potable" column is an accounting of which demands must be served by potable, city water vs those that might be served by recycled water in the event that recycled water is available at the site.

Table 1. Preliminary Water Demands

Park Component	Total *gal/year*	IBSP *gal/year*	900 INNES *gal/year*	Potable
Irrigation	927,344	805,029	122,315	N
Water Feature Top-off	83,516	69,117	14,399	Y
Restrooms Flow	19,800	13,200	6,600	Y
Restrooms Flush	112,200	74,800	37,400	N
Concession Stand	99,000	0	99,000	Y
Drinking Fountains	24,000	19,200	4,800	Y
Kayak Station	660,000	660,000	0	Y
Fish Station	270,000	270,000	0	Y
Water Play		0	TBD	Y
Totals	2,195,860	1,911,346	284,514	

Basis of Calculations

Irrigation demands were computed using the SFPUC Water Demand Calculator which takes into account different weather data, the areas of planting and species factors. The water feature top-off was computed based on the

India Basin Landscape Water Demand Calculations 9.27.2016
700 INNES OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	14698	0.5	87	654
TOTAL	14,698			654

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	218672	1.0	2,603	19,472
TOTAL	218,672			19,472

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	1,823	0.5	11	81
TOTAL	1,823			81

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	123432	0.5	735	5,496
TOTAL	123,432			5,496

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	37,930	0.5	226	1,689
TOTAL	37,930			1,689

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	101	0.71	25.53	2,579
STREETS	487	0.32	10.46	5,094
TOTAL	588			7,673

TOTAL IRRIGATION DEMAND - GALLONS/DAY	**35,065**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**7,465,880**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool
*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

India Basin Landscape Water Demand Calculations 9.27.2016
IBOS OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	164,195	0.5	977	7,311
TOTAL	164,195			7,311

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	105,021	1.0	1,250	9,352
TOTAL	105,021			9,352

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	0	0.5	0	0
TOTAL	0			0

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	2,048	0.5	12	91
TOTAL	2,048			91

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	0	0.5	0	0
TOTAL	0			0

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	5	0.71	25.53	128
STREETS	0	0.32	10.46	0
TOTAL	5			128

TOTAL IRRIGATION DEMAND - GALLONS/DAY	**16,881**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**3,594,308**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool
*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

APPENDIX A

India Basin Landscape Water Demand Calculations 9.27.2016
OVERALL BIONIC

Wetland Planting areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	178,893	0.5	1,065	7,965
TOTAL	178,893			7,965

Upland Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	323,693	1.0	3,853	28,824
TOTAL	323,693			28,824

Streetscape Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	1,823	0.5	11	81
TOTAL	1,823			81

Green Roof Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	125,479	0.5	747	5,587
TOTAL	125,479			5,587

On-Structure Planting Areas

ZONE	AREA (SF)	IRR RATE (IN/WK)	IRR DEMAND (CU FT/DAY)	IRR DEMAND (GAL/DAY)
-	37,930	0.5	226	1,689
TOTAL	37,930			1,689

Trees*

ZONE	TOTAL TREES	IRR RATE (IN/WK/TREE)	IRR RATE (GAL/DAY/TREE)	IRR DEMAND (GAL/DAY)
PARK	106	0.71	25.53	2,706
STREETS	487	0.32	10.46	5,094
TOTAL	593			7,800

DAILY IRRIGATION DEMAND (GAL/DAY)	**51,946**
ANNUAL IRRIGATION DEMAND (GAL/YR)	**11,060,179**

*Tree calculation assumes 30' dia. canopy for park trees, 20' dia. canopy for street trees, using CIMIS water calculator tool
*Annual irrigation demand assumes typical daily irrigation 7 months/year during dry season, no irrigation 5 months/year during wet season

TABLE 5: MAXIMUM COMMERCIAL WITH RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	335	0
WATER FEATURE[10]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	102	0
CONCESSION[10]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[10]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**342**	**0**	**437**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	2,206	2
WATER FEATURE[10]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	205	0
CONCESSION[10]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[10]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**2,826**	**2**	**2,411**	**2**

RPD DEVELOPMENT DEMANDS	**3,168**	**2**	**2,848**	**2**

TOTAL DEMANDS	**78,518**	**56**	**81,164**	**59**
Existing Demands[9]	2,747	3	0	0
NET INCREASE	**75,771**	**53**	**81,164**	**59**

Notes:

1 "Maximum Commercial With Recycled Water" represents a maximum commercial development with recycled water available for the project. Recycled water uses include toilet flushing, landscape irrigation, and cooling water.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.035 gpd/sf.
Institutional/education also assumes potable water demand based on 0.035 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Recycled water demand for residential toilet flushing based on 2.0 residents per dwelling unit and 6.4 gpcd for recycled water toilets, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.
Recycled water demand for commercial and retail toilet flushing based on 0.035 gpd/sf.
Institutional/education also assumes toilet flushing based on 0.035 gpd/sf.

8 Refer to Table 1 for existing demands calculations.

9 Since recycled water will be used to supplement the potable water supply, the recycled water demand was subtracted from the total potable water demands shown in Table 1.

10 Water demand for RPD Development provided by MKA.

11 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 5: MAXIMUM COMMERCIAL WITH RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	500 du	90.0	gpd/du	38,600	27	6,400	5
COMMERCIAL/RETAIL[4, 7]	1,000,000 sf	0.07	gpd/sf	35,000	25	35,000	25
INSTITUTIONAL/EDUCATION[4, 7]	50,000 sf	0.07	gpd/sf	1,750	2	1,750	2
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	20,455	14
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	4,863	4
700 INNES DEMAND TOTALS				**75,350**	**54**	**68,468**	**50**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	9,848	7
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**0**	**0**	**9,848**	**7**

BUILD DEVELOPMENT DEMANDS	**75,350**	**54**	**78,316**	**57**

TABLE 4: MAXIMUM RESIDENTIAL WITH RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	335	0
WATER FEATURE[10]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	102	0
CONCESSION[10]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[10]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**342**	**0**	**437**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
IRRIGATION[10]	--- sf	--- gpd/sf	0	0	2,206	2
WATER FEATURE[10]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[10]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[10]	--- sf	--- gpd/sf	0	0	205	0
CONCESSION[10]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[10]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[10]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[10]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**2,826**	**2**	**2,411**	**2**

RPD DEVELOPMENT DEMANDS	**3,168**	**2**	**2,848**	**2**

TOTAL DEMANDS	**119,437**	**84**	**63,569**	**46**
Existing Demands[8]	2,747	3	0	0
NET INCREASE	**116,690**	**81**	**63,569**	**46**

Notes:

1 "Maximum Residential With Recycled Water" represents a maximum residential development with recycled water available for the project. Recycled water uses include toilet flushing, landscape irrigation, and cooling water.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.035 gpd/sf.
Institutional/education also assumes potable water demand based on 0.035 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Recycled water demand for residential toilet flushing based on 2.0 residents per dwelling unit and 6.4 gpcd for recycled water toilets, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.
Recycled water demand for commercial and retail toilet flushing based on 0.035 gpd/sf.
Institutional/education also assumes toilet flushing based on 0.035 gpd/sf.

8 Refer to Table 1 for existing demands calculations.

9 Since recycled water will be used to supplement the potable water supply, the recycled water demand was subtracted from the total potable water demands shown in Table 1.

10 Water demand for RPD Development provided by MKA.

11 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 4: MAXIMUM RESIDENTIAL WITH RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	1,375 du	90.0	gpd/du	106,150	74	17,600	13
COMMERCIAL/RETAIL[4, 7]	239,106 sf	0.07	gpd/sf	8,369	6	8,369	6
INSTITUTIONAL/EDUCATION[4, 7]	50,000 sf	0.07	gpd/sf	1,750	2	1,750	2
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	20,455	14
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	2,699	2
700 INNES DEMAND TOTALS				**116,269**	**82**	**50,873**	**37**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND[9]		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[11]
RESIDENTIAL[3, 7]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4, 7]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	0	0	9,848	7
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**0**	**0**	**9,848**	**7**

BUILD DEVELOPMENT DEMANDS	**116,269**	**82**	**60,721**	**44**

TABLE 3: MAXIMUM COMMERCIAL WITHOUT RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	335	0	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	102	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[8]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			**779**	**1**	**0**	**0**

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	2,206	2	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	205	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[8]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			**5,237**	**4**	**0**	**0**

RPD DEVELOPMENT DEMANDS	**6,016**	**4**	**0**	**0**

TOTAL DEMANDS	**159,682**	**113**	**0**	**0**
Existing Demands[7]	2,747	3	0	0
NET INCREASE	**156,935**	**110**	**0**	**0**

Notes:

1 "Maximum Commercial Without Recycled Water" represents a maximum commercial development with no recycled water available at the start of the project.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.07 gpd/sf.
Institutional/education also assumes potable water demand based on 0.07 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Refer to Table 1 for existing demands calculations.

8 Water demand for RPD Development provided by MKA.

9 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 3: MAXIMUM COMMERCIAL WITHOUT RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	500 du	90.0	gpd/du	45,000	32	0	0
COMMERCIAL/RETAIL[4]	1,000,000 sf	0.07	gpd/sf	70,000	49	0	0
INSTITUTIONAL/EDUCATION[4]	50,000 sf	0.07	gpd/sf	3,500	3	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	20,455	14	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	4,863	4	0	0
700 INNES DEMAND TOTALS				**143,818**	**102**	**0**	**0**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE				POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand		Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	0 du	90.0	gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4]	0 sf	0.07	gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4]	0 sf	0.07	gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	---	gpd/sf	9,848	7	0	0
COOLING WATER[6]	--- sf	---	gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS				**9,848**	**7**	**0**	**0**

BUILD DEVELOPMENT DEMANDS	**153,666**	**109**	**0**	**0**

TABLE 2: MAXIMUM RESIDENTIAL WITHOUT RECYCLED WATER[1,2] (CONTINUED)

900 INNES (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	335	0	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	39	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	18	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	102	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	271	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	13	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	0	0	0	0
FISH STATION[8]	--- sf	--- gpd/sf	0	0	0	0
900 INNES DEMAND TOTALS			779	1	0	0

INDIA BASIN SHORELINE PARK (RPD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
IRRIGATION[8]	--- sf	--- gpd/sf	2,206	2	0	0
WATER FEATURE[8]	--- sf	--- gpd/sf	189	0	0	0
RESTROOMS FLOW[8]	--- sf	--- gpd/sf	36	0	0	0
RESTROOMS FLUSH[8]	--- sf	--- gpd/sf	205	0	0	0
CONCESSION[8]	--- sf	--- gpd/sf	0	0	0	0
DRINKING FOUNTAIN[8]	--- sf	--- gpd/sf	53	0	0	0
KAYAK STATION[8]	--- sf	--- gpd/sf	1,808	1	0	0
FISH STATION[8]	--- sf	--- gpd/sf	740	1	0	0
INDIA BASIN SHORELINE PARK DEMAND TOTALS			5,237	4	0	0

RPD DEVELOPMENT DEMANDS	**6,016**	**4**	**0**	**0**

TOTAL DEMANDS	**183,006**	**128**	**0**	**0**
Existing Demands[7]	2,747	3	0	0
NET INCREASE	**180,259**	**125**	**0**	**0**

Notes:

1 "Maximum Residential Without Recycled Water" represents a maximum residential development with no recycled water available at the start of the project.

2 The Build Development and RPD Development program quantities are based on program summaries documented in the June 1, 2016 Initial Study for the India Basin Mixed-Use Project.

3 Residential potable water demand based on 90 gpd/du. Assumes 45 gallons per capita per day (gpcd) and 2.0 residents per dwelling unit, based on water demands identified in the SFPUC Water Enterprise 2015 Retail Water Conservation Plan.

4 Commerical and retail potable water demand based on 0.07 gpd/sf.
Institutional/education also assumes potable water demand based on 0.07 gpd/sf.

5 Irrigation water demand for Build Development provided by Bionic.

6 Cooling water demand for Build Development provided by Glumac.
Cooling water demand for RPD Development is expected to be small compared to the overall project demand and is noted as zero for this analysis.

7 Refer to Table 1 for existing demands calculations.

8 Water demand for RPD Development provided by MKA.

9 Gallons per minute value is rounded to the nearest whole number. Numerical differences between tables is due to rounding.

TABLE 2: MAXIMUM RESIDENTIAL WITHOUT RECYCLED WATER[1,2]

700 INNES (BUILD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	1,375 du	90.0 gpd/du	123,750	86	0	0
COMMERCIAL/RETAIL[4]	239,106 sf	0.07 gpd/sf	16,738	12	0	0
INSTITUTIONAL/EDUCATION[4]	50,000 sf	0.07 gpd/sf	3,500	3	0	0
IRRIGATION[5]	--- sf	--- gpd/sf	20,455	14	0	0
COOLING WATER[6]	--- sf	--- gpd/sf	2,699	2	0	0
700 INNES DEMAND TOTALS			**167,142**	**117**	**0**	**0**

INDIA BASIN OPEN SPACE (BUILD DEVELOPMENT)

DESCRIPTION OF USE			POTABLE WATER DEMAND		RECYCLED WATER DEMAND	
Land Use	Unit	Unit Demand	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]	Average Daily Demand (gpd)	Average Daily Demand (gpm)[9]
RESIDENTIAL[3]	0 du	90.0 gpd/du	0	0	0	0
COMMERCIAL/RETAIL[4]	0 sf	0.07 gpd/sf	0	0	0	0
INSTITUTIONAL/EDUCATION[4]	0 sf	0.07 gpd/sf	0	0	0	0
IRRIGATION[5]	--- sf	--- gpd/sf	9,848	7	0	0
COOLING WATER[6]	--- sf	--- gpd/sf	0	0	0	0
INDIA BASIN OPEN SPACE DEMAND TOTALS			**9,848**	**7**	**0**	**0**

BUILD DEVELOPMENT DEMANDS	**176,990**	**124**	**0**	**0**

the General Manager shall not approve the sale of the Bonds on such negotiated basis until he determines, upon consultation with the Municipal Advisors, that (i) the sale of the Bonds through a negotiated process is likely to enhance the ability of the Commission to timely sell the Bonds or to achieve a lower overall cost to the Commission, or both, and (ii) the requirements of Section 3 of the Commission's Debt Management Policies and Procedures, as the same may have been amended and in effect at the time of such determination, have been satisfied. The interest rate or rates on the Bonds shall not exceed twelve percent (12%) and the final maturity of any Bonds shall not be later than 40 years after the issue date of such series.

Section 3. Disposition of Revenues: Rate Covenant. Section 5.01(c) of the Indenture, which sets forth the disposition of Revenues (as defined in the Indenture) applicable to the Bonds relating to the Wastewater Enterprise is hereby confirmed by the Commission and the Commission further confirms, pledges and covenants with the holders of the Bonds that the Revenues shall be appropriated and expended in the order of priority set forth in Section 5.01(c) of the Indenture, as the same may be amended from time to time. This Commission also declares that the Commission will comply with all of the terms, provisions and covenants contained in the Indenture, as the same may be amended from time to time, including the covenants to establish, fix, prescribe and collect rates, fees and charges sufficient to enable the Commission to comply with the terms, conditions and covenants of the Indenture.

Section 4. Supplemental Indentures. The proposed form of the Sixth Supplemental Indenture providing for certain amendments to the Indenture, and the proposed forms of the Seventh Supplemental Indenture and the Eighth Supplemental Indenture for the Bonds (each a "Supplemental Indenture" and collectively, the "Supplemental Indentures"), submitted to this Commission, and the terms and conditions thereof, are hereby approved. The General Manager of the Commission or his designee is authorized and directed to execute and deliver and the Secretary of the Commission or the designee thereof is authorized to attest the Supplemental Indentures in such forms, with such additions thereto or changes therein which they may approve with the advice of the City Attorney, such approval to be conclusively evidenced by the execution and delivery of such Supplemental Indentures. The Secretary of the Commission is directed to file a copy of the form of each Supplemental Indenture with the minutes of this meeting. Subject to the further limitations hereof, the principal amount, date, maturity date or dates, maximum interest rate or rates, series designation, interest payment dates, forms, registration privileges, place or places of payment, terms of redemption, insurance provisions and other terms of each series of Bonds shall be as provided in the respective Supplemental Indenture.

Section 5. Preliminary Official Statement and Official Statement. The Preliminary Official Statement for the Bonds (the "Preliminary Official Statement"), in substantially the form submitted to the Commission, is hereby approved, and the General Manager or the General Manager's designee is hereby authorized to certify from time to time, for and on behalf of the Commission, that the Preliminary Official Statement, with such changes, additions and supplements as they may deem necessary or appropriate in the interest of the Commission, in consultation with the City Attorney, is deemed final as of its date, within the meaning of Rule 15c2-12 (except for the omission of certain final pricing, rating and related information as permitted by Rule 15c2-12). The Preliminary Official Statement is hereby authorized to be used from time to time in connection with the marketing of the Bonds. In connection with the sale of all or a portion of the Bonds, the General Manager is hereby authorized and directed, for and on behalf of the Commission, to execute an Official Statement for the Bonds, in substantially the form of the Preliminary Official Statement, and to cause the delivery of such Official Statement to the purchasers of such Bonds.

The Commission hereby authorizes the preparation of one or more preliminary official statements for any additional series of Bonds to be issued pursuant to this resolution from time to time. The General Manager, the Deputy General Manager and Chief Operating Officer, Chief Financial Officer and Assistant General Manager, Business Services, of the Commission and the officers of the City are hereby authorized to take such actions as necessary to cause the preparation of such additional preliminary official statements, provided, however, that any preliminary official statement shall be subject to the approval of the Commission prior to being used in connection with the marketing of any additional series of Bonds.

Section 6. Negotiated Sale; Bond Purchase Contract. Pursuant to the authority granted in Section 2 hereof, the General Manager is hereby authorized to select and appoint one or more underwriters (each, an "Underwriter" and, collectively, the "Underwriters") from the Commission's or the City's pool of prequalified underwriters in accordance with the City's policies and procedures with respect thereto, subject to the limits on underwriter compensation set forth below. The General Manager is hereby authorized and directed, for and on behalf of and in the name of the Commission, to sell at one or more negotiated sales, Bonds in such aggregate principal amount as the General Manager may determine, subject to the further limitations and conditions hereof. The General Manager or his designee is hereby authorized to enter into a Bond Purchase Contract with one or more of the Underwriters, individually or collectively, as the General Manager deems appropriate, substantially in the form presented at this meeting and on file with the Secretary of the Commission, with such changes and additions as the General Manager may approve upon consultation with the City Attorney, such approval to be evidenced conclusively by the execution and delivery of each such Bond Purchase Contract; provided, however, that the total compensation to the Underwriters shall not exceed one percent (1%) of the par value of such series of Bonds. Bonds sold in a negotiated sale shall be delivered to the Underwriters upon payment of the purchase price agreed upon in the applicable Bond Purchase Contract, together with accrued interest, if any.

Section 7. Continuing Disclosure Certificate. The proposed form of the Continuing Disclosure Certificate for the Bonds, submitted to this Commission, is hereby approved. The General Manager or the General Manager's designee is hereby authorized and directed to execute a Continuing Disclosure Certificate for each series of Bonds from time to time, substantially in the form submitted to this Commission, with such additions, changes and corrections thereto as the General Manager or his designee shall approve with the advice of the City Attorney, such approval to be conclusively evidenced by the execution and delivery of such Continuing Disclosure Certificate. The Secretary of the Commission is directed to file a copy of said form of Continuing Disclosure Certificate with the minutes of this meeting.

Section 8. Proposition P. Pursuant to Proposition P approved by the voters of the City in November 2002, this resolution and the Bonds are subject to, and incorporate by reference, the Proposition P Requirements. Pursuant to the Proposition P Requirements, to the extent permitted by law, one-twentieth of one percent (0.05%) of the gross proceeds of the Bonds shall be deposited in a fund established by the Controller's Office and appropriated by the Board at the direction of the Public Utilities Revenue Bond Oversight Committee established by Proposition P Requirements to cover the costs of said committee.

Section 9. Allocation. The Commission will make a reimbursement allocation, which is a written allocation by the Commission that evidences the Commission's use of proceeds of the Bonds to reimburse Preliminary Expenditures.

Section 10. General Authority. The General Manager, the Deputy General Manager and Chief Operating Officer, and Chief Financial Officer and Assistant General Manager, Business Services, of the Commission and the officers of the City are hereby authorized and directed, each acting alone, for and in the name and on behalf of this Commission, to execute and deliver any and all documents, certificates and representations, including, but not limited to, signature certificates, no-litigation certificates, tax certificates, letters of representation relating to book-entry registration, custody agreements, filing agent agreements, and certificates concerning the contents of the Official Statement and the Preliminary Official Statement, to contract for municipal bond insurance for all or a portion of the Bonds if determined by the General Manager, with the advice of the Municipal Advisors, to be beneficial to the Commission, to contract for one or more surety bonds or insurance policies for the debt service reserves, if any, for the Bonds if determined by the General Manager, with the advice of the Municipal Advisors, to be beneficial to the Commission, to designate all or a portion of a series of Bonds as "green bonds," to do any and all things and take any and all actions which may be necessary or advisable, in their discretion, to effectuate the issuance and sale of the Bonds, the financing or refinancing of the capital projects benefiting the Wastewater Enterprise, the retirement of commercial paper, and the other actions which the Commission has approved in this resolution. The General Manager is authorized to delegate any of the responsibilities or duties set forth in this resolution to the Deputy General Manager and Chief Operating Officer, or the Chief Financial Officer and Assistant General Manager, Business Services, of the Commission.

Section 11. SB 450 Compliance. The Commission acknowledges that the good faith estimates required by Section 5852.1 of the California Government Code are disclosed in the staff report and are available to the public at the meeting at which this resolution is approved.

Section 12. Ratification. All actions heretofore taken by the officials, employees and agents of the Commission with respect to the authorization, sale and issuance of the Bonds are hereby approved, confirmed and ratified; and be it

FURTHER RESOLVED, this resolution shall take effect from and after its adoption.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

Please stand

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0118**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) is targeting onsite non-potable water use in large new developments to help meet the goal of developing an additional 10 million gallons per day of local water resources; and

WHEREAS, In June 2012, by Resolution 12-0103, the Commission approved a grant program for retail water customers to make the best use of non-potable supplies for urban reuse in buildings, referred to herein as the Non-potable Grant Program; and

WHEREAS, In 2013, by Resolution 13-0115, the Commission expanded the Non-potable Grant Program to provide grant assistance beginning in FY 13/14 to district-scale (multi-parcel) non-potable water projects that treat and share non-potable water between two or more parcels; and

WHEREAS, In 2015, by Resolution 15-0206, the Commission amended the Non-potable Grant Program in FY 15/16 to reflect the Non-potable Water Ordinance transitioning from a voluntary to a mandatory program; and

WHEREAS, SFPUC staff desires to modify the grant program eligibility criteria in FY 18/19 to allow grant funding of up to $100,000 for projects that replace at least 450,000 gallons of potable water per year, allowing buildings with existing dual-plumbing and smaller buildings that are voluntarily installing an onsite non-potable water system to be eligible for grant assistance; and

WHEREAS, SFPUC staff further desires to add grant requirements for brewery process water treatment systems to allow breweries to collect, treat, and use brewery process water for non-potable applications such as tank rinses, bottle rinses, packaging, clean-in-place, and production; and

WHEREAS, The the default term for these grant agreements will be 10 years and will require the grantee to (1) operate and maintain the project for 10 years, which is reasonably related to the useful life for these systems, and (2) record against the subject property a Declaration of Restrictions notifying subsequent property owners of the obligations to operate and maintain the system; and

WHEREAS, If the General Manager determines that a longer operation and maintenance obligation is warranted for a particular grant project, the General Manager may seek Board of Supervisors approval for a grant agreement term in excess of 10 years pursuant to Charter Section 9.118; and

WHEREAS, The estimated budget for the proposed grant assistance will be appropriated in each fiscal year, and grants awarded, subject to availability of funds; and

WHEREAS, Funds are available in the Retrofit Grant Program Project 10025211; and

WHEREAS, Grant applications are accepted based on availability of funds and on a first come, first served basis; and

WHEREAS, The Bureau of Environmental Management has determined the recommended action by the Commission to modify the Non-potable Grant Program does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378(b)(4) because the Non-potable Grant Program creates a government funding mechanism which does not involve commitment to any specific project which may result in a potentially significant physical impact on the environment; now, therefore, be it

RESOLVED, That this Commission hereby approves the modification of the Non-potable Grant Program for onsite non-potable water systems that offset the use of Regional Water System potable water supplies to allow grant funding of up to $100,000 for projects that replace at least 450,000 gallons of potable water per year, and add grant requirements for brewery process water treatment systems, as set forth in the attached Grant Program Rules dated July 10, 2018; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager or his or her designee to execute Grant Agreements with terms of up to 10 years with applicants who satisfy the Grant Program Rules, as amended on July 10, 2018, and to seek Board of Supervisors approval for a grant agreement term in excess of 10 years pursuant to Charter Section 9.118, the General Manager determines that a longer term is warranted subject to availability of funding.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0119**

WHEREAS, The San Francisco Public Utilities Commission advertised Hetchy Capital Improvement Projects funded Contract No. HH-990R, Moccasin Penstock Rehabilitation on November 6, 2017; and

WHEREAS, On February 13, 2018, by Resolution No. 18-0017, the Commission approved the award of Contract No. HH-990R in the amount of $6,858,300 to Anvil Builders Inc. to rehabilitate portions of the Moccasin Penstock; and

WHEREAS, Pursuant to Section 6.22(l) of the Administrative Code, the City may terminate the performance of work under a public works contract for the City's convenience when the General Manager determines, with the approval of the Commission, that such determination is in the best interest of the City; and

WHEREAS, The General Manager has determined that it is in the best interest of the City to terminate Contract HH-990R for the City's convenience due to factors related to the March 22, 2018 storm event in Moccasin, as set forth in the General Manager's memorandum to this Commission dated June 14, 2018, a copy of which is attached hereto; now, therefore, be it

RESOLVED, That this Commission hereby approves the General Manager's determination, as set forth in his memorandum to this Commission dated June 14, 2018, that termination of Contract No. HH-990R with Anvil Builders Inc. for the Moccasin Penstock Rehabilitation Project is in the City's best interest and authorizes the General Manager to take all actions necessary to terminate the Contract.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0120**

WHEREAS, Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program-funded Contract No. WW-676, As-Needed Sewer Cleaning and Inspection was advertised on April 19, 2018; and

WHEREAS, The Engineer's Estimate is $2,104,000 for this construction contract work to clean and inspect existing sewers on an as-needed basis at locations to be determined throughout San Francisco; and

WHEREAS, The contract duration is 570 consecutive calendar days; and

WHEREAS, One (1) bid from Pipe and Plant Solutions, Inc., was received and opened publicly on May 24, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bid for qualifications, responsibility, and responsiveness resulted in the establishment of Pipe and Plant Solutions, Inc. as the sole, qualified, responsible and responsive bidder; and

WHEREAS, The sole bid was $1,974,980, which is below the Engineer's Estimate; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 10% Local Business Enterprise (LBE) participation for this contract, and the contractor committed to a LBE subcontractor participation of 13.52% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10033119, As-Needed Sewer Cleaning and Inspection (FY19); and

WHEREAS, The Planning Department determined that as-needed contracts or other funding mechanisms for the repair or replacement of linear assets do not fall within the definition of a "project" under California Environmental Quality Act Guidelines Section 15378(b)(4); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and, as permitted under San Francisco Administrative Code Section 6.23(c)(2), awards WWE, R&R Program funded Contract No. WW-676, As-Needed Sewer Cleaning and Inspection (FY19), for a total contract amount not to exceed $1,974,980 and with a duration of 570 days, to the sole, qualified, responsible and responsive bidder, Pipe and Plant Solutions, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0121**

WHEREAS, The City and County of San Francisco (City), under the jurisdiction of the San Francisco Public Utilities Commission (SFPUC), owns certain real property known as 639 Bryant Street, Block 3777, Lot 052 (City Property), an approximately 1.37-acre parcel improved with a warehouse and parking lot currently used by SFPUC for heavy equipment and materials storage, SFPUC vehicle parking, construction staging, and other related purposes; and

WHEREAS, The SFPUC also operates a hydrogen peroxide tank on the City Property; and

WHEREAS, The SFPUC leases adjacent property at 651 Bryant Street, Block 3777, Lot 050 (City Leased Premises), for related SFPUC office and warehouse purposes under a lease that expires in October 2019, with a right to extend the lease for an additional 10 years; and

WHEREAS, The City Property is small and to meet the SFPUC's anticipated future water and power utility yard needs, either expansion of the existing facility or securing a replacement facility will be necessary in the near future; and

WHEREAS, 2000 Marin, L.P., a Delaware limited partnership (Developer), owns certain real property known as 2000 Marin Street, Block 4346, Lot 002 (2000 Marin), an approximately 7.98-acre parcel with a 74,000-square foot building built in 1989; and

WHEREAS, The Developer proposes to acquire the City Property in exchange for 2000 Marin, and seeks to develop a mixed-use project on the City Property, the City Leased Premises, and other adjacent parcels with approximately 923,000 square feet of office, 73,000 square feet of residential/PDR, 80,000 square feet of residential, and a 40,000-square foot public plaza (Development Project); and

WHEREAS, The City Property and the City Leased Premises are located within the City's proposed Central SOMA Plan, a multi-year public and cooperative interagency planning process the City began in 2011 (Planning Department Case No. 2011.1356EMTZU); and

WHEREAS, On April 17, 2018, the Board of Supervisors adopted Resolution No. 115-18 (File No. 180370) supporting negotiations for a potential exchange of the City Property for 2000 Marin, subject to City analysis and approvals following any required environmental review; and

WHEREAS, The Central SOMA Plan was approved by the City Planning Commission on May 10, 2018 and requires approval of an amendment to the City Planning Code by the Board of Supervisors to become effective; and

WHEREAS, The City and Developer propose to enter into a Conditional Land Use and Disposition Agreement ("Agreement") setting forth the terms and conditions for the parties' exchange of the City Property and 2000 Marin; and

WHEREAS, Under the Agreement's terms, the consummation of the property exchange transaction is conditioned on, among other things, the approval by the Board of Supervisors and the Mayor of the exchange, at their sole discretion, following the satisfaction of numerous conditions and completion of all required environmental review; and

WHEREAS, Developer's obligation to complete the property exchange is conditioned on, among other things, the Developer's receipt of all governmental approvals necessary for Developer to proceed with the Developer Project, including zoning changes, and the Board of Supervisors' waiver or reduction of certain development impact fees in exchange for Developer's dedication of a public park to the City as part of the Developer Project; and

WHEREAS, The fair market value of the City Property is $63,875,000, as determined by a MAI appraisal by Clifford Advisory, LLC dated July 2, 2018; and

WHEREAS, The fair market value of 2000 Marin is $63,600,000, as determined by a MAI appraisal by Clifford Advisory, LLC, dated July 2, 2018 and such appraisal states that there is not currently adequate information regarding the soils contamination to determine what development impact, if any, could be anticipated, and whether the conditions impact value; and

WHEREAS, the Agreement requires the Developer to pay for a Phase II environmental study of 2000 Marin and based on the results of that study, SFPUC will prepare an estimate of the costs of remediating 2000 Marin for the SFPUC's proposed industrial uses to be presented to this Commission as part of its review of the environmental condition of the property provided for under the Agreement; and

WHREAS, The Commission's declaration of surplus regarding 639 Bryant, the proposed exchange of the City Property for 2000 Marin, and the Developer's obligations to make the payments described above (other than City's pre-Agreement costs) are conditioned upon the satisfaction of certain conditions, including (1) the Commission's review of the Phase II environmental testing results, remediation costs, and written approval of the environmental condition of 2000 Marin and (2) the Commission's approval of the Developer's lease of a portion of 2000 Marin to Kilroy or an alternate funding source; and

WHEREAS, In addition to providing for the exchange of 2000 Marin for the City Property, the Agreement also provides that:

1. Prior to the consummation of the proposed property exchange, the Developer will construct new temporary facilities ("Temporary SFPUC Facility") for the SFPUC on a portion of 2000 Marin. The Agreement requires the SFPUC to reimburse the Developer for its costs incurred in constructing the Temporary SFPUC Facility (the "Reimbursable Costs") but provides that the Developer will enter into a lease of the remaining portion of 2000 Marin to Kilroy Realty, or an affiliate, and assign any such lease to the SFPUC upon the consummation of the proposed property exchange, and the rental income from such lease will be sufficient for the SFPUC to repay the Reimbursable Costs. If the Developer does not complete such a lease prior to the consummation of the proposed property exchange, City and Developer will work together to identify and secure an alternative revenue source acceptable to City that will generate sufficient revenue to allow City to repay Developer the Reimbursable Costs. This Commission must approve

either the proposed lease or an alternative revenue source as an express condition of the consummation of the proposed property exchange.

2. At its sole expense, the Developer will relocate the hydrogen peroxide tank from the City Property to a location either on or under the public park to be constructed on the City Property, on other land owned by the Developer within the Development Project, or on or under a public street adjacent to or within the Development Project and, if necessary, provide City with **(i)** a license, easement, or other instrument acceptable to City that will allow City to access the hydrogen peroxide tank during the period prior to its relocation and **(ii)** an easement or other instrument acceptable to City that will grant to City irrevocable real estate rights to access, operate, maintain, repair, and replace the hydrogen peroxide tank at its new location.

3. The Developer will reimburse the SFPUC for up to $35,000 in expenses incurred as consultant fees in connection with cost estimates for the relocation of the SFPUC's personal property to 2000 Marin.

4. The Developer will reimburse City for up to $245,000 of its pre-Agreement transaction costs, including attorney's fees for negotiation and preparation of the Agreement, and costs incurred to investigate the physical condition, title, and suitability of 2000 Marin for City's use.

5. The Developer will pay up to $690,000 ("Transaction Costs") for City's transaction and relocation costs incurred during the period commencing on the day after the Effective Date of the Agreement and ending on the earlier of the date that the Agreement is terminated pursuant to its terms, or the consummation of the proposed property exchange. The Transaction Costs include the City's actual costs to relocate the SFPUC's personal property from the City Property to the SFPUC Temporary Facility; Phase II environmental testing and SFPUC's oversight costs (not to exceed $100,000) for 2000 Marin; appraisal fees; City personnel, consultant, and other environmental review costs and fees; and City's attorney's fees, title insurance, escrow costs, and other closing costs to acquire 2000 Marin; and

WHEREAS, The SFPUC intends to use the entirety of 2000 Marin solely for utility purposes after the SFPUC determines its optimal use and the scope of improvements necessary for such use and identifies adequate funding for such improvements, and towards that end, any lease with Kilroy Realty or an affiliate for a portion of 2000 Marin shall be for a short-term, temporary use; and

WHEREAS, This resolution is not an approval of any project or a commitment to proceed with the proposed property exchange, and this resolution does not constitute an "Approval," as that term is defined by CEQA Guidelines Section 15352; and

WHEREAS, This Agreement constitutes a conditional, phased land acquisition agreement and the Agreement stipulates that the City shall complete all necessary environmental review as required by the California Environmental Quality Act (CEQA), Chapter 31 of the Administrative Code, and all other applicable local and State laws prior to taking any final approval action for the consummation of the exchange transaction for the properties; now, therefore, be it

RESOLVED, That this Commission hereby finds that the existing space at the City Property will not meet the SFPUC's anticipated future utility yard needs, requiring either expansion of the existing facility or securing a replacement facility in the near future; and, be it

FURTHER RESOLVED, That this Commission finds that SFPUC's acquisition of 2000 Marin under the terms and conditions set forth in the proposed Agreement would allow improved and more integrated SFPUC utility yard operations on a site that is five times larger than the City Property, with excellent access to transportation routes; and, be it

FURTHER RESOLVED, That this Commission instructs SFPUC staff to return this to this Commission for its consideration of those matters that require its further consideration and approval pursuant to the proposed Agreement, including the SFPUC Commission's review of the Phase II environmental testing results, the projected remediation costs, and the environmental condition of 2000 Marin; and, be it

FURTHER RESOLVED, That if and when all of the conditions in the Agreement are satisfied and the consummation of the proposed property exchange contemplated by the Agreement is completed and the SFPUC consequently acquires 2000 Marin, the City Property will be surplus to the SFPUC's utility needs; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official in connection with this Agreement; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the SFPUC's General Manager to execute the Agreement in substantially the same form presented to this Commission, subject to the approval of the Board of Supervisors and Mayor; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager and/or the Director of Property to enter into any amendments or modifications to this Agreement, including without limitation, the exhibits, that the General Manager or Director of Property determines, in consultation with the City Attorney, are in the best interest of the City, do not materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the Agreement or this resolution, and are in compliance with all applicable laws, including the City Charter; and, be it

FURTHER RESOLVED, That, upon approval by City's Board of Supervisors and the Mayor and the consummation of the proposed property exchange, this Commission authorizes the Director of Property and/or the SFPUC General Manager to execute and deliver a quitclaim deed conveying the City Property to Developer; and, be it

Glenn Hood

FURTHER RESOLVED, That upon approval by City's Board of Supervisors and the Mayor, this Commission authorizes the Director of Property and/or the General Manager of the SFPUC to take any and all other steps they, in consultation with the City Attorney, deem necessary and advisable to effectuate the purpose and intent of this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 10, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, July 24, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว่ ยเหลอื ท"งภ"ษ"โดยไมเ่ ส'ยคาใชจ้ าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

CONSENT CALENDAR

11. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Amendment No. 1 to **Agreement No. CS-366**, Emergency Planning, Technical Assistance and Training Support with AECOM Technical Services, Inc., to provide continuing emergency operations planning, training, and exercises; and authorize the General Manager to execute this amendment, extending the agreement duration by two years, for a total agreement duration of six years, with no change to the agreement amount. (Carlin)

180122

b) Award **Job Order Contract No. JOC-53R3**, Electrical (C-10 License) San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years, to the lowest, qualified, responsible and responsive bidder, US Electric Technologies Inc., to perform electrical contracting tasks for all SFPUC Enterprise Operations and Bureaus. (How)

180123

c) Award **Job Order Contract No. JOC-70**, General Engineering (A-License), San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years to the lowest, qualified, responsible, and responsive bidder, M Hernandez Construction, Inc., dba Hernandez Engineering, to perform general engineering construction tasks for all SFPUC Enterprise Operations and Bureaus. (How)

180124

REGULAR SESSION

12. Public Hearing: **Adopt rules for billing property owners in San Francisco without water or wastewater service accounts** (*i.e.*, unmetered properties) the portion of the San Francisco Public Utilities Commission's existing monthly sewer service charges attributable to stormwater runoff from their properties. (Sandler)

180125

13. Approve the **Water Infrastructure Finance and Innovation Act** (WIFIA) Loan Agreement with the United States Environmental Protection Agency, in an amount up to $699,242,023, to provide partial funding for the Wastewater Enterprise's Biosolids Digester Facilities Project, a project of the Sewer System Improvement Program, with a 35-year repayment period starting at completion of the Project; and authorize the General Manager to execute and deliver the WIFIA Loan Agreement and related documents to the transaction. (Sandler)

180126

14. Authorize the General Manager to execute a second **Memorandum of Understanding with the City of Daly City** for the Regional Groundwater Storage and Recovery Project, to reimburse Daly City for Westlake Pump Station Design Consulting Services and groundwater modeling services, for an

180127

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of July 10, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Sewer Inspection and Replacement Program Update
   e) Water Supply Agreement Update
   f) Water Supply Conditions Update
   g) CleanPowerSF Joint Rate Mailer
   h) Draft CleanPowerSF Integrated Resource Plan

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) July 13, 2018 Oceanside Plant Operational Event (Norby)
   c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Presentation and discussion of **proposed ordinance to repeal the Reclaimed Water Use Ordinance**, Article 22 of the Public Works Code, currently pending at the Board of Supervisors, Board File No. 180558. (discussion only) (Ritchie)

9. Presentation and discussion of **Draft 100-Year Storm Flood Map** delineating zones in the City and County of San Francisco subject to flooding that is at least 6 inches deep and at least half a City block long during a 100-year storm. (discussion only) (Norby)

10. Bay Area Water Supply Conservation Agency Update (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

amount not to exceed $435,050 and with a duration not to exceed two years. (Ritchie)

15. Approve the selection of Moffatt and Nichol-AGS Joint Venture (JV); award **Agreement No. PRO.0092**, Engineering Services for South Ocean Beach Coastal Erosion and Wastewater Protection, to provide engineering design services to assist in developing projects to address climate induced chronic erosion at the south end of Ocean Beach; and authorize the General Manager to negotiate and execute a professional services agreement with Moffatt and Nichol-AGS JV for an amount not-to-exceed $3,750,000 and with a duration of five years. (How)

180128

16. Authorize the General Manager to negotiate and execute a **Purchase and Sale Agreement with Alameda County** to sell an approximately 5,484-square-foot road easement and an approximately 22,548-square-foot slope easement, to be designated as a portion of Calaveras Road on SFPUC Parcel No. 75 in Alameda County, California, for fair market value, subject to Board of Supervisors approval. (Carlin)

180129

17. Approve **CleanPowerSF's Integrated Resource Plan** (IRP) Compliance Filing; and authorize the General Manager to submit the IRP Compliance Filing to the California Public Utilities Commission. (Hale)

180130

18. Public Comment on matters to be addressed during Closed Session

19. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

25. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

26. Announcement following Closed Session

27. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

28. Other New Business (discussion only)

29. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

CANCELLATION NOTICE

The regular meeting of the
San Francisco Public Utilities Commission
Tuesday, August 14, 2018
1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

HAS BEEN CANCELLED

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

Minutes
Tuesday, July 24, 2018
(Approved August 28, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:37 PM.

2. Roll Call
   Present: Kwon, Caen, and Moran
   Excused: Courtney and Vietor

   President Kwon announced that there would be no Closed Session and that the August 14, 2018 meeting has been cancelled.

3. Approval of the Minutes of July 10, 2018
   On Motion to approve the Minutes of July 10, 2018:
   Ayes: Kwon, Caen, and Moran

   No public comment.

4. General Public Comment
   - *Bill Martin addressed the Bay Delta Plan and stated more transparency is better, that the Brattle Group Report assumptions are not clearly explained, and there are not enough reasonable outcomes.*
   - *Dave Warner discussed the Brattle Group Report and meetings held with SFPUC staff.*
   - *Peter Drekmeier, Tuolumne River Trust, Denise Louie, and Barry Hermanson, showed a video, "The San Francisco Bay-Delta is an ecosystem in crisis".*
   - *Harry Bernstein discussed the proposed Balboa Reservoir site development project.*
   - *Ann Clark stated she felt there was lack of information from BAWSCA regarding short and long-term statistics and documents regarding water use and conservation for their customers and customers' properties. She read her statement and distributed a copy to the Commission.*
   - *Sonia Diermayer, Sierra Club, expressed disappointment at the SFPUC's opposition to the State Board proposal and that the item has not been placed on the agenda.*
   - *Michael Adams, City College First Coalition, discussed the proposed transfer of the Balboa Reservoir property to private developers and noted parking issues. He provided a summary of his comments to the Commission Secretary.*
   - *Fred Muhlheim expressed expressed concern with the proposed Balboa Reservoir development, performance center, and parking issues. He stated housing should be 100 percent affordable and the property not be sold to private developer.*
   - *Mark Gonzalez, Tuolumne River Trust, discussed the Bay Delta Plan and flows.*

     Commissioner Moran stated discussions regarding the Bay Delta Plan have not ended. He indicated a hearing would be useful for exchange of dialogue. He noted the exchange of information and testimony that has occurred and

stated he feels understanding has increased and positions have narrowed. He discussed data, roles, conclusion, and SFPUC obligations for water demand, and noted how differences in how the issues are approached. He stated drought and climate change affects decisions.

President Kwon concurred with Commissioner Moran's comments. Michael Carlin, Deputy General Manager (DGM), responded to a question from President Kwon as to whether a traffic study has been conducted for the proposed Balboa Project development.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Sewer Inspection and Replacement Program Update
      Commissioner Caen asked if she should be happy with the miles of inspection and replacement. Brian Henderson, Acting Assistant General Manager (AGM), Infrastructure, stated goals have been met and averages exceeded. DGM Carlin clarified the reason for the decrease in the total miles cleaned, and stated the 150 miles inspected goal has been met. Commissioner Caen indicated she is cautions and strict about meeting goals and that the report needs to be revised for clarity.
   e) Water Supply Agreement Update
   f) Water Supply Conditions Update
   g) CleanPowerSF Joint Rate Mailer
   h) Draft CleanPowerSF Integrated Resource Plan

      No public comment.

6. Other Commission Business
   President Kwon discussed his visit to the San Francisco Rain Garden and thanked Wastewater staff for their work. He also commended Brian Lease, DPW Gardener and his team for their work.

   No public comment.

7. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
      Barbara Hale, Assistant General Manager (AGM) Power, provided a CPSF update: (1) Enrollment and Service to Customers: Currently serving 114,000 accounts; 2.9% opt-out out; 3.3% SuperGreen upgrade; auto enrollment results in increased customer awareness and ads are performing above industry average; next enrollment in October; noted Communications items 5g and 5h, and action item 17.

      No public comment.

   b) July 13, 2018 Oceanside Plant Operational Event

Brian Henderson discussed an incident at the Oceanside Plant with one odor control unit, which resulted in foul air and fire department response. He noted the staff and manufacturer are trying to determine why the issues occurred and until then all units are off-line.

No public comment.

c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

8. Presentation and discussion of proposed ordinance to repeal the Reclaimed Water Use Ordinance, Article 22 of the Public Works Code, currently pending at the Board of Supervisors, Board File No. 180558.
Steve Ritchie, AGM Water, reviewed the history of the 1991 Reclaimed Water Use Ordinance. He noted new requirements that make this ordinance obsolete and stated the Board of Supervisors will repeal the ordinance.

No public comment.

9. Presentation and discussion of Draft 100-Year Storm Flood Map delineating zones in the City and County of San Francisco subject to flooding that is at least 6 inches deep and at least half a City block long during a 100-year storm.
Sarah Minick, Utility Planning Division Manager, Wastewater, provided the presentation of the Draft 100-Year Storm Flood Map: (1) Flood resilience strategy for San Francisco: Capital Projects to address Level-of-Service; Collection System operation and maintenance; and Programmatic and Legislative Strategies; (2) Draft 100-Year Flood Risk Map: Identifies parcels in San Francisco likely to be subject of a "100-Year Storm; Outline of purpose of the map; (3) Urban Watershed Assessment: Key elements to map development; (4) Mapping Assumptions and Methodology: Hydraulic and Hydrologic Model (simulates depth and extent of flooding); Geographic Information System/ Mapping Process (outlines core stormwater flood risk boundary); (5) Maps: Draft Citywide Map; Historic Waterways Map in San Francisco, Draft Neighborhood Map; and On-line Searchable Map (sfwater.org/floodmaps); (6) Resources for the public; (7) Rain Ready Website; (7) Citywide outreach efforts on Draft Flood Map; and (8) Next steps for 100-Year Map.

Public Comment

- *Michal Settles, Outer Mission Terrace resident, stated she has owned her property since1980 and has had two floods since, with no help from the City. She questioned where informational meetings were held. She asked that prior to going forward proposed language be shown to property owners. She asked for ideas on how floodwater can be reclaimed.*

Commissioner Moran noted correspondence that was received from residents on Bluxome Street saying their street doesn't flood. Ms. Minnick responded to

his question as to what recourse is given to residents and others who object to the proposed Flood map. Brief discussion ensued.

- *Mr. Cole stated he's had three floods this year and four last year and wants to know what is being done. He provided a business card and President Kwon asked that staff follow-up directly with Mr. Cole.*

10. Bay Area Water Supply Conservation Agency (BAWSCA) Update
Nicole Sandkulla, BAWCSA CEO, distributed a statement regarding the Draft Final Bay Delta Plan Update, noting key portions of the statement. She stated in response to earlier public comment that all BAWSCA meetings are open to the public and that reports are made available to the public. She noted BAWSCA's May 2018 total potable water use is 22% less than May 2013.

No public comment.

The Commission Secretary read the Consent Calendar summary.

11. *Consent Calendar*
    a) Approve Amendment No. 1 to Agreement No. CS-366, Emergency Planning, Technical Assistance and Training Support with AECOM Technical Services, Inc., to provide continuing emergency operations planning, training, and exercises; and authorize the General Manager to execute this amendment, extending the agreement duration by two years, for a total agreement duration of six years, with no change to the agreement amount. (Resolution 18-0122)

    b) Award Job Order Contract No. JOC-53R3, Electrical (C-10 License) San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years, to the lowest, qualified, responsible and responsive bidder, US Electric Technologies Inc., to perform electrical contracting tasks for all SFPUC Enterprise Operations and Bureaus. (Resolution 18-0123)

    c) Award Job Order Contract No. JOC-70, General Engineering (A-License), San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $5,000,000 and a duration of two years to the lowest, qualified, responsible, and responsive bidder, M Hernandez Construction, Inc., dba Hernandez Engineering, to perform general engineering construction tasks for all SFPUC Enterprise Operations and Bureaus. (Resolution 18-0124)

    No public comment.

    On Motion to approve items 11a through 11c:
    Ayes: Kwon, Caen, and Moran

12. Public Hearing: Adopt rules for billing property owners in San Francisco without water or wastewater service accounts (*i.e.*, unmetered properties) the portion of

the SFPUC existing monthly sewer service charges attributable to stormwater runoff from their properties. (Resolution 18-0125)
Charles Perl, Deputy CFO, introduced the item and Erin Franks, Principal Rates Analyst, who presented the item.

Ms. Franks reviewed: (1) Background; (2) Phased Approach: 2018 Water and Wastewater Rate Study, and 2022 Water and Wastewater Rate Study; (3) Sewer Service Charge for Unmetered Properties – goal and charge calculation: Based on customer feedback, staff proposes a flat monthly charge with two tiers (low runoff and standard runoff), based on the amount of runoff each property generates; (4) Tier Classification (minimal, low and standard runoff). Amount of runoff from a property calculated on Effective Impermeable Area (EIA); and (5) Recommended action.

Ms. Franks responded to a question from Commissioner Caen as to how the EIA is calculated.

Ms. Franks responded to a question from Commissioner Moran regarding the lack of incentives for currently metered customers.

Public Comment

- *Robert Rossi stated there is a need for an appeal process for property owners. Ms. Franks provided brief response.*

On Motion to approve item 12:
Ayes: Kwon, Caen, and Moran

13. Approve the Water Infrastructure Finance and Innovation Act (WIFIA) Loan Agreement with the United States Environmental Protection Agency, in an amount up to $699,242,023, to provide partial funding for the Wastewater Enterprise's Biosolids Digester Facilities Project, a project of the Sewer System Improvement Program, with a 35-year repayment period starting at completion of the Project; and authorize the General Manager to execute and deliver the WIFIA Loan Agreement and related documents to the transaction. (Resolution 18-0126)
Deputy CFO Perl introduced the item stating approval of the WIFIA Loan is part of the FY-2018 Capital Financing Plan. He reviewed: (1) Wastewater Capital Financing Strategy: Upward pressure on rates and charges; and actively manage capital financing costs; (2) Low-cost alternatives to Revenue Bonds-State Loans; State Revolving Fund loans; 30-Year financing; state recently adopted FY-19 Intended Use Plan; (3) WIFIA Loan; (4) WIFIA Loan Terms ($699,242,023 loan amount with a 3.00% fixed rated; established date of loan execution, and flexible; longer repayment terms than Revenue Bonds); (5) Financing Plan; (6) Legal Structure; (7) State Bill 450 requirement; (8) Form of Transaction Documents; WIFIA Loan Agreement; 9th Supplemental Indenture; (9) Disclosure questions and answers; (10) Transaction Schedule; and (11) Recommended Commission action.

No public comment.

On Motion to approve item 13:
Ayes: Kwon, Caen, and Moran

14. Authorize the General Manager to execute a second Memorandum of Understanding with the City of Daly City for the Regional Groundwater Storage and Recovery Project, to reimburse Daly City for Westlake Pump Station Design Consulting Services and groundwater modeling services, for an amount not to exceed $435,050 and with a duration not to exceed two years. (Resolution 18-0127)
Steve Ritchie, AGM Water, introduced the item and requested Commission approval.

No public comment.

On Motion to approve item 14:
Ayes: Kwon, Caen, and Moran

15. Approve the selection of Moffatt and Nichol-AGS Joint Venture (JV); award Agreement No. PRO.0092, Engineering Services for South Ocean Beach Coastal Erosion and Wastewater Protection, to provide engineering design services to assist in developing projects to address climate induced chronic erosion at the south end of Ocean Beach; and authorize the General Manager to negotiate and execute a professional services agreement with Moffatt and Nichol-AGS JV for an amount not-to-exceed $3,750,000 and with a duration of five years. (Resolution 18-0128)
Kathy How, AGM Infrastructure, indicated there was only one proposer despite outreach efforts. She stated the proposer meet all qualifications.

AGM How responded to a question from Commissioner Moran regarding the Joint Venture. Brief discussion ensued.

No public comment.

On Motion to approve item 15:
Ayes: Kwon, Caen, and Moran

16. Authorize the General Manager to negotiate and execute a Purchase and Sale Agreement with Alameda County to sell an approximately 5,484-square-foot road easement and an approximately 22,548-square-foot slope easement, to be designated as a portion of Calaveras Road on SFPUC Parcel No. 75 in Alameda County, California, for fair market value, subject to Board of Supervisors approval. (Resolution 18-0129)
No public comment.

On Motion to approve item 16:
Ayes: Kwon, Caen, and Moran

17. Approve CleanPowerSF's Integrated Resource Plan (IRP) Compliance Filing; and authorize the General Manager to submit the IRP Compliance Filing to the California Public Utilities Commission. (Resolution 18-0130)
Mike Hyams, Director, CleanPowerSF, introduced the item and reviewed compliance filing requirements and analyses conducted.

Public Comment

- *Michele Pierce, Bayview Hunter Point Community Advocates, expressed concern with the Draft IRP and stated the IRP development process did not include enough community engagement. She requested more effort to communicate with the community regarding the IRP.*

On Motion to approve item 17:
Ayes: Kwon, Caen, and Moran

No Closed Session.

18. Public Comment on matters to be addressed during Closed Session

19. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.
Case No.: ER15-702-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission

§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale
Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

24. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

25. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission
Complaint under Sections 206 and 306 of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

26. Announcement following Closed Session

27. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12(a)

28. Other New Business
President Kwon announced that the August 28, 2018 meeting will be cancelled. No public comment.

29. Adjournment
President Kwon adjourned the meeting at 3:32 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0122**

WHEREAS, On January 13, 2015, by Resolution No. 15-0012, this Commission awarded Agreement No. CS-366, Emergency Planning, Technical Assistance and Training Support, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement, in the amount of $2,000,000, and with a term of four years, concluding on January 25, 2019, with AECOM Technical Services, Inc. (AECOM); and

WHEREAS, Amendment No. 1 is being requested to extend the agreement duration by two years, for a total agreement duration of six years, with no change to the agreement amount to continue to perform and complete emergency planning and training support; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 10% Local Business Enterprise participation (of the total value of services to be provided) for this agreement; and

WHEREAS, Funds for this agreement are available from the Water, Wastewater, and Hetchy Operating budgets along with the General Manager's Operating budget; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. CS-366, Emergency Planning, Technical Assistance and Training Support, with AECOM, to continue to provide emergency operations planning, training, and exercises, and authorizes the General Manager of the SFPUC to execute this amendment extending the agreement duration by two years, for a total agreement duration of six years, with no change to the agreement amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0123**

WHEREAS, Job Order Contract No. JOC-53R3, Electrical (C-10 License), in San Francisco, San Mateo, Santa Clara and Alameda Counties, was advertised on March 22, 2018; and

WHEREAS, The not-to-exceed amount is $5,000,000 with a guaranteed minimum amount of $50,000 for this construction contract to accomplish electrical work for San Francisco Public Utilities Commission (SFPUC) Enterprise Operations in San Francisco, San Mateo, Santa Clara and Alameda Counties; and

WHEREAS, The contract duration is two years; and

WHEREAS, No task order will be issued for construction until a document prepared in compliance with the California Environmental Quality Act (CEQA), as required, has been reviewed and considered; and; and

WHEREAS, The work under this JOC has been competitively put out to bid per unit price and the basis of selecting a contractor is the lowest responsible, responsive bidder for the work under these subsequent task orders; and

WHEREAS, Two bids were received and opened publicly on May 3, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) reviewed the bid for qualifications, responsibility, and responsiveness, and this review resulted in the selection of US Electric Technologies as the lowest, qualified, responsible, and responsive bidder; and

WHEREAS, The Award Criteria Figure from US Electric Technologies Inc. was 1.0950; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 8% for this contract, and the contractor committed to an LBE subcontracting participation of 8% in its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible, and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funding will be available from various SFPUC Enterprise Funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby awards Job Order Contract No. JOC-53R3, Electrical (C-10 License) for work to be performed under future task orders which will identify the scope of work, cost and duration of various discrete construction activities for a not-to-exceed amount of $5,000,000 with a minimum guaranteed amount of $50,000 and a two-year duration to the lowest, qualified, responsible, and responsive bidder, US Electric Technologies Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0124

WHEREAS, Job Order Contract No. JOC-70, General Engineering (A- License), San Francisco, San Mateo, Santa Clara and Alameda Counties, was advertised on March 7, 2018; and

WHEREAS, The not-to-exceed amount is $5,000,000 with a guaranteed minimum amount of $50,000 for this construction contract to accomplish general engineering construction work for all San Francisco Public Utilities Commission (SFPUC) enterprises, operations, and bureaus; and

WHEREAS, The contract duration is two years; and

WHEREAS, Two bids were received and opened publicly on May 17, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bid for qualifications, responsibility, and responsiveness resulted in the establishment of Hernandez Engineering. as the lowest, qualified, responsible, and responsive bidder; and

WHEREAS, The Award Criteria Figure from Hernandez Engineering was 1.4805; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 16% for this contract, and the contractor committed to an LBE subcontracting participation of 18% in its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible, and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funding will be available from various SFPUC Enterprise Funds when Task Orders are issued; and

WHEREAS, No task order will be issued for construction under this contract until, if required, environmental review under the California Environmental Quality Act (CEQA) is completed and considered prior to release of the task order; now, therefore, be it

RESOLVED, That this Commission hereby awards Job Order Contract No. JOC-70, General Engineering (A-License), San Francisco, San Mateo, Santa Clara and Alameda Counties, for work to be performed under future task orders which will identify the scope of work, cost and duration of various construction activities, for a not-to-exceed amount of $5,000,000 with a minimum guaranteed amount of $50,000 and a duration of two years to the lowest, qualified, responsible, and responsive bidder, Hernandez Engineering.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24,2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO. 18-0125

WHEREAS, The San Francisco Public Utilities Commission ("SFPUC")'s Wastewater Enterprise operates a combined sewer system that collects, treats, and disposes of both sanitary sewage and stormwater runoff; and

WHEREAS, The California Constitution Article XIII D directs that parcel-related charges, including water and wastewater rates, should be based on the "proportional cost of the service attributable to the parcel"; and

WHEREAS, The 2018 Water and Wastewater Cost of Service Study determined that approximately 17.5% of the Wastewater Enterprise revenue requirement is related to the collection and treatment of stormwater runoff; and

WHEREAS, Based on the 2018 Water and Wastewater Cost of Service Study, the monthly sewer service charges assessed on wastewater customers approved by this Commission on April 10, 2018, by Resolution No. 18-0054, include a stormwater cost allocation, meaning that existing wastewater account holders currently pay for the stormwater portion of the combined sewer system, as well as the sanitary sewage component; and

WHEREAS, Many properties within San Francisco that do not have active water and wastewater service accounts – namely, unmetered parcels such as vacant lots and parking lots – contribute stormwater runoff to the City's combined sewer system but do not currently pay their share of the SFPUC's sewer system costs for collecting, treating, and disposing of stormwater runoff from their properties; and

WHEREAS, The SFPUC proposes a methodology for charging parcels that do not currently have water and wastewater service accounts (*i.e.*, unmetered properties) for the cost of stormwater management services attributable to their parcel as set forth in the attached Rules for Billing Sewer Service Charges Attributable to Stormwater Runoff for Unmetered Properties ("Rules"); and

WHEREAS, Adoption of the attached Rules does not establish a new rate, fee, or charge but rather provides the methodology for applying the existing Commission-approved monthly sewer service charge to a particular set of properties that already receive stormwater services; and

WHEREAS, The Rate Fairness Board reviewed the findings and recommendations of the 2018 Water and Wastewater Rate Study and staff rate proposal, and recommended that owners of unmetered parcels pay for their proportional share of the cost of stormwater management services for their parcel; and

WHEREAS, Adoption of the Rules Billing Sewer Service Charges Attributable to Stormwater Runoff does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; now, therefore, be it

RESOLVED, That this Commission hereby adopts the attached Rules for Billing Sewer Service Charges Attributable to Stormwater Runoff for Unmetered Properties ("Rules") presented to the Commission at its meeting on July 24, 2018; and be it

FURTHER RESOLVED, That this Commission hereby authorizes staff to take all steps necessary to implement the Rules for billing unmetered properties as soon as reasonably practicable.

I hereby certify that the foregoing was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

Rules for Billing Sewer Service Charges Attributable to Stormwater Runoff for Unmetered Properties

Section 1. Introduction

These rules establish procedures for the calculation and application of sewer service charges attributable to stormwater runoff for property owners who do not have water and wastewater accounts with the San Francisco Public Utilities Commission (SFPUC).

A portion of the SFPUC's wastewater expenses are attributable to management of stormwater flows in the combined sewer system. All existing customers with water and wastewater accounts pay for their proportionate share of this expense through their wastewater charges. To ensure that the costs of managing these flows are fairly allocated to customers, property owners who do not have active water and wastewater accounts will have an account opened and will be assessed a monthly flat charge that will be updated annually.

Section 2. Charge Calculation

The calculation basis for the sewer service charges attributable to stormwater runoff is the average monthly charge wastewater customers pay to manage stormwater runoff. Specifically, the average monthly charge paid by existing customers is calculated as:

$$\frac{(Annual\ Wastewater\ Revenue\ Requirement\ \times Stormwater\ Cost\ Allocation)}{Number\ of\ Standard\ Wastewater\ Accounts} / 12\ Months$$

The annual wastewater revenue requirement and the stormwater cost allocation are calculated in the independent rate consultant's wastewater cost of service study supporting adopted sewer service charge rates.

To account for differences in the size and landscape of unmetered properties which affect the quantity of runoff from that property, three tiers of charges are calculated relative to the average charge. A parcel is classified into one of the three tiers based on its *Effective Impermeable Area (EIA)*. The EIA of each parcel is a measure of the quantity of runoff generated from the property, and therefore indicates the relative cost imposed by that property on the SFPUC's sewer system. The EIA is defined as:

$$Effective\ Impermeable\ Area = Impermeable\ Area + (10\% \times Permeable\ Area)$$

All land area in the city is classified as either permeable or impermeable using aerial imagery. Impermeable surfaces are those which do not allow rainwater to infiltrate, and include asphalt, concrete, roofs, and other hardscape surfaces. Permeable surfaces include vegetation, grass, and unpacked dirt. Upon request, the SFPUC can provide the data used to calculate a parcel's EIA.

Based on analysis of aerial imagery, the mean San Francisco parcel, excluding large outliers, has an EIA of approximately 1,850 square feet, with a standard deviation of approximately 550 square feet. Parcels with an EIA at least one standard deviation below the mean EIA are classified as having low runoff. Those with an EIA more than 2.5 standard deviations below the mean are classified as having minimal runoff. After setting these tier breakpoints, we calculated the median parcel size within each tier (including the outliers) to approximate the relative runoff contributed by parcels within that tier. The following table summarizes the tiers and the median EIA for all properties within the City and County of San Francisco.

Table 1. Tier Classification of Parcels

(A) Tier	(B) Effective Impermeable Area (sf)	(C) Median EIA within Tier	(D) Percent of Entire City Median EIA
Minimal Runoff	<500	250	13.5%
Low Runoff	500-1,300	1,171	63.0%
Standard Runoff	>1,300	1,919	103.3%
Entire City		**1,858**	**100.0%**

Properties in the Minimal Runoff tier will not be assessed a charge, as their runoff is *de minimis*. Properties within the Low Runoff and Standard Runoff tiers will be assessed a charge calculated as the average stormwater portion of the existing customers' sewer charge (see formula on prior page), multiplied by column D above.

Applying this methodology to the adopted sewer service charges for the Fiscal Year Ending 2019 through FYE 2022 results in the following monthly charge amounts for parcels within each tier.

Table 2. Proposed Monthly Sewer Service Charge Attributable to Stormwater Runoff for Unmetered Properties

Tier	FYE 2019	FYE 2020	FYE 2021	FYE 2022
Low Runoff	$19.83	$20.47	$21.31	$22.16
Standard Runoff	$32.49	$33.56	$34.93	$36.31

Section 3. Determination of Applicability

A parcel (represented by a block/lot or Assessor's Parcel Number (APN) in the San Francisco Assessor's Office records) is subject to the sewer service charge under these rules if there is no active water or wastewater service on that property. SFPUC's customer billing system contains records of the parcel for all existing "premises" (a premise is a location at which the SFPUC provides water or wastewater service). All parcels that do not have a recorded premise with a connected, in-service meter are subject to the sewer service charge under these rules unless they fall into one of the following exceptions:

1. The parcel is served by water or wastewater service recorded on a different parcel: The customer billing system can only record a single parcel associated with a premise, but that premise may serve multiple parcels. For example, a condominium building with multiple stories will have separate parcels for each condominium, but could have a single meter serving the entire building. In other cases, one or more buildings may cross multiple parcels but be served by the same meter; again, because these buildings all have active service, they are paying their fair share of costs and should not be subject to this sewer service charge. Finally, this category also includes adjacent parcels being used for the same purpose, even if there is not a building on both parcels. For example, a side yard used by a single family home or a parking lot adjacent to a commercial business are excluded from the charge if the two parcels are owned and/or leased by the same entity and used for the same purpose, and if there is an active premise on at least one of the parcels.
2. The parcel is served by water or wastewater service that is only temporarily inactive: Parcels that do not have an active account holder for a period of time are not subject to this sewer service charge. If there is a connected, in-service meter on the parcel, regardless of whether there is a current account-holder, the parcel is excluded from the charge. Parcels where the meter has been disconnected from the system, removed, or demolished are subject to the charge.
3. The parcel is a "paper lot" that is not actually used as a parcel: Examples include parcels that are used as publicly-accessible streets or parcels completely over the Bay or Ocean. As these areas of land would normally not be subject to the charge, the mere fact of their having a parcel boundary should not change this standard.
4. The parcel's area does not drain to the SFPUC's sewer system: Parcels that drain to a separate sewer system that is permitted and owned by a non-SFPUC entity do not contribute to SFPUC's stormwater management costs and are not subject to the charge.

In addition to the above exceptions, parcels will no longer be subject to the sewer service charge under these rules if a water or sewer account is placed in service on their parcel. SFPUC will verify whether any new requests for service are on a parcel subject to billing under these rules; such billing will cease at the time that new service installation is completed.

Section 4. Appeals Process

Any customer subject to sewer service billing under these rules who believes that their parcel receives water or wastewater service, or otherwise falls into one of the exceptions noted in Section 3, must submit a request in writing to the SFPUC with sufficient documentation to support the appeal. A customer may also appeal the tier under which they are charged by providing a site map indicating the areas and land cover for the entire parcel and calculating the EIA according to the formula in Section 1.

Each request must list the parcel numbers(s) which the customer wishes to appeal. Appeals of the applicability of the charge must include documentation demonstrating why no sewer service charge is applicable to the customer or parcel. Appeals of the tier determination must include a site map indicating the square footage of all land cover types (asphalt, roof, landscaping, etc.).

Classification of land areas as permeable and impermeable will follow the guidelines established under the Stormwater Management Requirements, which are:

- **Permeable Cover:** Grass/Lawn, Landscaping, Planters, Permeable Pavement, Bioretention
- **Impermeable Cover:** Pavement, Roof, Gravel

Use of land category covers other than those listed above must include and explanation of the type of cover used and the reason for its inclusion. Appeals may be subject to a site visit by an SFPUC staff to verify the claim.

SFPUC staff will review the request and make a determination within 90 days, unless the customer agrees to an extension of time beyond the 90 days. The decision transmittal shall include reasons for the decision and copies of supporting documentation. The Department shall be the sole judge in determining if a parcel is exempt from sewer service charges under this rule.

Section 5. Amendments

These rules may be amended by a majority vote of the Public Utilities Commission at a duly noticed public meeting, or by the General Manager in accordance with the authority provided by the City Charter.

Adopted by Resolution XXX on July 24, 2018.

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO. 18-0126

WHEREAS, At a duly called and held election on November 5, 2002, a majority of voters voting on the measure approved Proposition E ("Proposition E of 2002"), codified as Article VIIIB of the Charter of the City and County of San Francisco ("City"), which, among other things, authorized the San Francisco Public Utilities Commission ("Commission") of the City to issue its revenue bonds, including notes, commercial paper or other forms of indebtedness, when authorized by ordinance approved by a two-thirds vote of the Board of Supervisors of the City ("Board"), for the purpose of reconstructing, replacing, expanding, repairing or improving water facilities or clean water facilities, or combinations of water and clean water facilities under the jurisdiction of the Commission and subject to the provision of certain certifications of an independent engineer retained by the Commission and certain certifications by the San Francisco Planning Department, which certifications make the findings and determinations set forth in Section 8B.124 of the Charter; and

WHEREAS, On June 12, 2012, the Board passed by two-thirds vote Ordinance No. 115-12, approving the issuance and sale of wastewater revenue bonds by the Commission pursuant to Article VIIIB of the Charter of the City, in an aggregate principal amount not to exceed $522,810,000, to finance capital projects benefiting the Wastewater Enterprise; and

WHEREAS, On June 24, 2014, the Board passed by two-thirds vote Ordinance No. 107-14, approving the issuance and sale of wastewater revenue bonds by the Commission pursuant to Article VIIIB of the Charter of the City, in an aggregate principal amount not to exceed $819,035,941, to finance capital projects benefiting the Wastewater Enterprise; and

WHEREAS, On June 14, 2016, the Board passed by two-thirds vote Ordinance No. 111-16, approving the issuance and sale of wastewater revenue bonds and authorizing the Commission to execute and deliver one or more State of California Water Resources Control Board Installment Sale Agreements in connection with State Revolving Loans and other forms of indebtedness, to finance capital projects benefiting the Wastewater Enterprise in an aggregate principal amount not to exceed $1,112,601,280; and

WHEREAS, On June 12, 2018, the Board passed by two-thirds vote Ordinance No. 144-18 (collectively with Ordinance No. 115-12, Ordinance No. 107-14 and Ordinance No. 111-16, the "Ordinances"), approving the issuance and sale of wastewater revenue bonds, including commercial paper, revolving credit notes, or bond anticipation notes, and authorizing the Commission to execute and deliver one or more State of California Water Resources Control Board Installment Sale Agreements in connection with State Revolving Loans or loan agreements with the federal government, acting through the Administrator of the Environmental Protection Agency ("EPA") under the U.S. Environmental Protection Agency Water Infrastructure Finance and Innovation Act ("WIFIA"), to finance capital projects benefiting the Wastewater Enterprise in an aggregate principal amount not to exceed $987,414,494; and

WHEREAS, On December 22, 2017, the Commission filed with the EPA an application for a loan under the WIFIA program ("WIFIA Loan") to finance a portion of the costs of the Biosolids Digester Facilities Project ("Biosolids Project") which the EPA has approved in an amount not to exceed $699,242,023 (exclusive of capitalized interest); and

WHEREAS, The WIFIA Loan will be made pursuant to the terms of a WIFIA Loan Agreement, by and between the EPA and the Commission ("WIFIA Loan Agreement") and will be evidenced by a Bond ("WIFIA Bond") issued pursuant to a Ninth Supplemental Indenture ("Ninth Supplemental Indenture") to an Indenture, originally dated as of January 1, 2003 by and between the Commission and U.S. Bank National Association (formerly doing business as "U.S. Bank, N.A."), as trustee ("Trustee"), as supplemented and amended (the Indenture, as supplemented and amended, including as amended by the Ninth Supplemental Indenture, the "Indenture"); and

WHEREAS, Under the authority granted or proposed to be granted under Article VIIIB of the Charter of the City and by the Ordinances and this resolution it is proposed that the Commission execute and deliver the WIFIA Loan Agreement and the Ninth Supplemental Indenture, and issue the WIFIA Bond in an aggregate initial principal amount not to exceed $699,242,023, for the purpose of financing or refinancing (through the retirement of commercial paper notes, bond anticipation notes or other interim borrowings) the Biosolids Project (including reimbursing the Commission for certain capital costs previously paid with proceeds of wastewater commercial paper notes or from other moneys as permitted by the WIFIA Loan Agreement); and

WHEREAS, The Commission has been presented with and has examined the proposed forms of the WIFIA Loan Agreement and the Ninth Supplemental Indenture (including the WIFIA Bond); and

WHEREAS, The Commission is duly authorized and empowered, pursuant to each and every requirement of law, to authorize the foregoing transactions, to execute and deliver the WIFIA Loan Agreement and the Ninth Supplemental Indenture, and, subject to the conditions of the Ninth Supplemental Indenture, to execute and deliver the WIFIA Bond, and related documents for the purposes, in the manner and upon the terms provided herein; and

WHEREAS, Article VIIIB of the Charter of the City (Section 8B.124) allows for the issuance of revenue bonds and other forms of indebtedness, subject to the provision of certain certifications of an independent engineer retained by the Commission and certain certifications by the San Francisco Planning Department, which certifications make the findings and determinations set forth in Section 8B.124; and

WHEREAS, Certificates intended to meet the requirements set forth in Section 8B.124 will have been presented for review by the Board ("Certificates"), and the Certificates will be filed with the Clerk of the Board and the Clerk of the Commission prior to any draw down of the WIFIA Loan and issuance of the WIFIA Bond; now, therefore, be it

RESOLVED By the Public Utilities Commission of the City and County of San Francisco, as follows:

Authorization of the WIFIA Loan and Issuance of the WIFIA Bond. The incurrence of the WIFIA Loan and the issuance of the WIFIA Bond in evidence thereof, in an aggregate initial principal amount not to exceed $699,242,023, is hereby authorized and approved by the Commission

pursuant to Article VIIIB of the Charter of the City and Ordinance No. 115-12 (in the principal amount of $23,000,000), Ordinance No. 107-14 (in the principal amount of $165,200,000), Ordinance No. 111-16 (in the principal amount of $347,528,000), and Ordinance No. 144-18 (in the principal amount of $163,514,023), and subject to the limitations and conditions provided herein.

The WIFIA Bond shall be issued in accordance with the Ordinances, this resolution, the Charter, including but not limited to, the provision of certifications required by Section 8B.124 of the Charter to the Secretary of the Commission and the Clerk of the Board, and the Indenture, including but not limited to the provisions of the Ninth Supplemental Indenture setting forth the conditions which must be satisfied prior to the issuance of all or a portion of the WIFIA Bond from time to time. The interest rate on the WIFIA Bond shall not exceed twelve percent (12%) and the final maturity of the WIFIA Bond shall not be later than April 1, 2059.

The Commission hereby delegates to the General Manager the authority to determine, with the advice of the Municipal Advisors, whether to draw down on the WIFIA Loan and issue the WIFIA Bond from time to time (a "Draw Down"), provided that the General Manager shall determine, upon consultation with the Commission's Municipal Advisors, that (i) the Draw Down is likely to achieve a lower overall cost to the Commission than other alternatives, or otherwise serve as a more effective debt management tool than other alternatives, and (ii) the requirements of Section 3 of the Commission's Debt Management Policies and Procedures, as the same may have been amended and in effect at the time of such determination, have been satisfied. The General Manager is hereby authorized to deliver any certifications and take such other actions, upon the advice of the City Attorney, as are required to effect a Draw Down from time to time without any further authorization of this Commission.

Disposition of Revenues: Rate Covenant. Section 5.01(c) of the Indenture, which sets forth the disposition of Revenues (as defined in the Indenture) applicable to the bonds relating to the Wastewater Enterprise is hereby confirmed by the Commission and the Commission further confirms, pledges and covenants with the holders of the bonds, including the WIFIA Bond, that the Revenues shall be appropriated and expended in the order of priority set forth in Section 5.01(c) of the Indenture, as the same may be amended from time to time. This Commission also declares that the Commission will comply with all of the terms, provisions and covenants contained in the Indenture, as the same may be amended from time to time, including the covenants to establish, fix, prescribe and collect rates, fees and charges sufficient to enable the Commission to comply with the terms, conditions and covenants of the Indenture.

WIFIA Loan Agreement and Ninth Supplemental Indenture. The proposed form of the WIFIA Loan Agreement and the proposed form the Ninth Supplemental Indenture providing for the issuance of the WIFIA Bond to evidence the WIFIA Loan, submitted to this meeting, and the terms and conditions of each such document, are hereby approved. The General Manager of the Commission or his or her designees are authorized and directed to execute and deliver and the Secretary of the Commission or the designee thereof is authorized to attest to the WIFIA Loan Agreement and the Ninth Supplemental Indenture in such forms, with such additions thereto or changes therein which they may approve with the advice of the City Attorney, such approval to be conclusively evidenced by the execution and delivery of the WIFIA Loan Agreement and the Ninth Supplemental Indenture. The Secretary of the Commission is directed to file a copy of the form of each the WIFIA Loan Agreement and the Ninth Supplemental Indenture with the minutes of this meeting.

Form of WIFIA Bond. The form of the WIFIA Bond, in substantially the form attached to the Ninth Supplemental Indenture and presented to this meeting, is hereby approved. The General Manager of the Commission is hereby authorized and directed to approve and to execute the WIFIA Bond by manual or facsimile signature, and the Secretary of the Commission is hereby authorized and directed to attest, by manual or facsimile signature, with such changes, additions, amendments or modifications thereto which they, from time to time, may approve with the advice of the City Attorney, such approval to be conclusively evidenced by the execution and delivery of the WIFIA Bond, subject to the limitations set forth in Section 1 hereof.

General Authority. The General Manager, the Deputy General Manager, Chief Operating Officer and Chief Financial Officer and the Assistant General Manager, Business Services, of the Commission and the officers of the City are hereby authorized and directed, each acting alone, for and in the name and on behalf of this Commission, to execute and deliver any and all documents, certificates and representations, including, but not limited to, signature certificates and no-litigation certificates, and to do any and all things and take any and all actions which may be necessary or advisable, in their discretion, to execute and deliver the WIFIA Loan Agreement, and to effectuate Draw Downs from time to time thereunder, the retirement of any interim borrowings to be paid from such Draw Downs, and the other actions which the Commission has approved in this resolution. The General Manager is authorized to delegate any of the responsibilities or duties set forth in this resolution to the Deputy General Manager, Chief Operating Officer, Chief Financial Officer or to the Assistant General Manager, Business Services, of the Commission.

SB 450 Compliance. The Commission acknowledges that the good faith estimates required by Section 5852.1 of the California Government Code are disclosed in the staff report and are available to the public at the meeting at which this resolution is approved.

Ratification. All actions heretofore taken by the officials, employees and agents of the Commission with respect to the authorization of the WIFIA Loan and the authorization, sale and issuance from time to time of the WIFIA Bond are hereby approved, confirmed and ratified; and be it

FURTHER RESOLVED, this resolution shall take effect from and after its adoption.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting July 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0127**

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff have developed a project description under the Water System Improvement (WSIP) for the improvements to the regional water supply system, otherwise known as Project No. CUW30103, Regional Groundwater Storage and Recovery; and

WHEREAS, This Commission approved the implementation of the Groundwater Storage and Recovery Project (the "Project") on August 12, 2014 in Resolution No. 14-0127 following certification of the Regional Groundwater Storage and Recovery Project Environmental Impact Report (EIR) under the California Environmental Quality Act by the San Francisco Planning Commission on August 7, 2014 in its Motion No. M-19209; and

WHEREAS, Project operation will require Daly City to operate its Westlake Pump Station to provide chemical treatment of groundwater pumped by Project wells in Daly City, as well as blending with surface water provided to Daly City by the SFPUC, both of which will require design and construction of improvements at the Westlake Pump Station; and

WHEREAS, SFPUC Resolution No. 14-0127 and Daly City Council Resolution No. 14-153 dated September 8, 2014 authorized the approval of an agreement entitled "Agreement for Groundwater Storage and Recovery from the Sothern Portion of the Westside Basin by and Among the San Francisco Public Utilities Commission, the City of San Bruno, the City of Daly City, and California Water Service Company" ("Operating Agreement"); and

WHEREAS, Section 9.1 of the Operating Agreement requires the SFPUC to pay all Project capital costs for "shared facilities," which include engineering, design, and construction costs related to the modification of the Westlake Pump Station improvements to allow treatment of groundwater pumped by two Project wells; and

WHEREAS, Section 6.5 of the Operating Agreement requires the Parties to develop and adopt a proposal for accounting for groundwater losses from the Southern portion of the Westside Basin; and

WHEREAS, Daly City and the SFPUC entered into a Memorandum of Understanding dated June 14, 2015 ("the First MOU") for $570,000 with a two-year term for the purpose of SFPUC funding design services for modifications to Daly City's Westlake Pump Station authorized by SFPUC Resolution No. 15-0098 and Daly City Council Resolution No. 15-62; and

WHEREAS, The term of the First MOU expired on June 14, 2017, and before its expiration Daly City invoiced the SFPUC only $209,950 for services authorized in Section 4.1 of the First MOU, leaving $360,050 of the First MOU's authorized budget unspent; and

WHEREAS, SFPUC and Daly City desire to enter into a Second Memorandum of Understanding (Second MOU) for SFPUC to fund the $360,050 cost for remaining design services for modifications to Daly City's Westlake Pump Station, and provide an additional $75,000 in funding for services of a consultant hired by Daly City to develop a methodology for

accounting for water losses from the South Westside Basin for Basin Management, for a total agreement amount of $435,050; and

WHEREAS, The aforementioned design and consulting services procured by Daly City are anticipated to begin in July 2018 and end in July 2020 and therefore the total duration of the Second MOU is two years; and

WHEREAS, Funds for the Second MOU will be available at the time of execution of the Memorandum of Understanding from Project No. CUW30103 Regional Groundwater Storage and Recovery; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the San Francisco Public Utilities Commission to execute a Second Memorandum of Understanding with the City of Daly City for funding design and consulting services for the Regional Groundwater Storage and Recovery Project in an amount not to exceed $435,050, and with a total duration of two years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0128**

WHEREAS, The San Francisco Public Utilities Commission advertised Agreement No. PRO.0092, Engineering Services for South Ocean Beach Coastal Erosion and Wastewater Infrastructure Protection on April 25, 2018; and

WHEREAS, The purpose of PRO.0092 is to procure the services of qualified engineering design firm to provide specialized engineering design services to supplement SFPUC staff to address climate induced chronic erosion at the south end of Ocean Beach that has the potential to threaten the Lake Merced Tunnel; and

WHEREAS, The estimated cost of services is $3,750,000; and

WHEREAS, Services are anticipated to begin in September 2018 and end in September 2023 and the duration of this agreement is five years; and

WHEREAS, The SFPUC received a sole proposal from Moffatt and Nichol-AGS Joint Venture (JV) in response to the Request for Proposals (RFP); and

WHEREAS, SFPUC and Contract Monitoring Division (CMD) staff has confirmed that Moffatt and Nichol-AGS JV met the minimum qualifications and other pre-award requirements; and

WHEREAS, SFPUC staff has determined that Moffatt and Nichol-AGS JV is highly qualified to perform the services identified in the RFP and that further outreach, re-advertisement, or modification of the RFP is unlikely to result in the receipt of additional proposals; and

WHEREAS, The CMD established a subconsulting requirement of 10% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement and Moffatt and Nichol-AGS JV has committed to 10% LBE participation; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for this agreement will be available at the time of award of the agreement from CWWFAC01- Coastal Erosion and Wastewater Protection Wastewater Facilities & Infrastructure Program Designation, $3,750,000; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Moffatt and Nichol-AGS JV; awards Wastewater Enterprise 10-Year CIP-funded Agreement No. PRO.0092, Engineering Services for South Ocean Beach Coastal Erosion and Wastewater Infrastructure Protection, to Moffatt and Nichol-AGS JV; and authorizes the General Manager of the San Francisco Public Utilities Commission to negotiate and execute a professional services agreement with Moffatt and Nichol-AGS JV for an amount not-to-exceed $3,750,000, and with a duration of five years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0129**

WHEREAS, The City and County of San Francisco (City), under the jurisdiction of the San Francisco Public Utilities Commission (SFPUC), owns certain real property known as SFPUC Parcel No. 75 (Parcel 75) in Alameda County; and

WHEREAS, In 2011, the City, through the SFPUC, began building a replacement dam and spillway immediately downstream from the existing Calaveras Dam to protect public health and safety by constructing the new facilities to withstand the maximum credible earthquake and the probable maximum flood (Project); and

WHEREAS, Calaveras Road is the main access road for the Project construction contractor (Contractor) to transport large equipment and materials to and from the Project site; and

WHEREAS, Alameda County has an easement from SFPUC's predecessor-in-interest Spring Valley Water Company dated November 16, 1921 giving Alameda County the right to maintain a portion of Calaveras Road on Parcel 75 (Existing Easement); and

WHEREAS, On January 10, 2017, a landslide occurred on an approximately 100-foot section of Calaveras Road near the Project site, making the road impassable and bringing the Project to a halt; and

WHEREAS, The SFPUC, in consultation with Alameda County and with approval by the Board of Supervisors in Resolution No. 110-17 pursuant to Section 6.60 of the Administrative Code, performed emergency work to construct a temporary road around the landslide area on Calaveras Road (New Road Alignment) because delaying the Project to wait for Alameda County to make the necessary road repairs could have delayed construction for another rainy season, increasing the risk of flooding while the new dam was under construction; and

WHEREAS, Alameda County has agreed to accept the New Road Alignment as-is, without warranties, and desires to acquire an approximately 5,484-square-foot road easement and an approximately 22,548-square-foot slope easement (together, New Easements) where a portion of the New Road Alignment and slope improvements exceed the boundary of the Existing Easement; and

WHEREAS, City, through the SFPUC, and Alameda County desire to enter into a Purchase and Sale Agreement (Agreement) to sell the New Easements to Alameda County for fair market value; and

WHEREAS, The fair market value of the New Easements is presently estimated at $2,457, and the final fair market value of the New Easements will be determined based on the final square footage of the New Easements; and

WHEREAS, Under the terms of the proposed Agreement, Alameda County will pay (i) its proportionate share of title and escrow fees, closing costs, transfer taxes, and property taxes, (ii) a processing fee of $2,500 as required by the SFPUC 2015 Real Estate Guidelines, and (iii) reimbursement for the City's out of pocket expenses, including, but not limited to, the costs of survey work, legal description and plat map preparation, and obtaining a General Plan Referral from City's Planning Department, provided that the total cost to Alameda County shall not exceed $50,000; and

WHEREAS, This action does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; now, therefore, be it

RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official in connection with this Agreement; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the SFPUC's General Manager to negotiate and execute the Agreement with Alameda County, subject to the approval of the Board of Supervisors and Mayor; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager and/or the Director of Property to enter into any amendments or modifications to the Agreement, including without limitation, the exhibits, that the General Manager or Director of Property determines, in consultation with the City Attorney, are in the best interest of the City, do not materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the Agreement or this resolution, and are in compliance with all applicable laws, including the City Charter; and be it

FURTHER RESOLVED, That, upon approval by City's Board of Supervisors and the Mayor of the Agreement, this Commission authorizes the Director of Property and/or the SFPUC General Manager to execute and deliver a quitclaim deed conveying the New Easements to Alameda County; and be it

FURTHER RESOLVED, That upon approval by City's Board of Supervisors and the Mayor, this Commission authorizes the Director of Property and/or the General Manager of the SFPUC to take any and all other steps they, in consultation with the City Attorney, deem necessary and advisable to effectuate the purpose and intent of this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0130

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program, called CleanPowerSF, through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, California Public Utilities Code Section 454.52 requires CCAs to prepare and file an Integrated Resource Plan (IRP) for review by the California Public Utilities Commission (CPUC); and

WHEREAS, An IRP is a process engaged in by electric energy providers to identify an optimal mix of energy resources needed to serve its customers' electricity supply needs while meeting goals of reliability, affordability, GHG-reductions and renewable energy targets, and economic development; and

WHEREAS, The CPUC requires CCAs and other electric energy providers to file individual IRPs with the CPUC every two years with the first IRP due on August 1, 2018; and

WHEREAS, The CPUC has established instructions for how CCAs should prepare and file their IRPs, including the use of CPUC-specified inputs and assumptions and an IRP Compliance Filing template; and

WHEREAS, The SFPUC has engaged retained Black & Veatch as technical consultants to support the development of a draft IRP Report; and

WHEREAS, The draft IRP Report being prepared by staff serves as a planning document that will be continually updated as needed to reflect changing conditions; and

WHEREAS, CleanPowerSF staff have prepared an IRP Compliance Filing using the CPUC's template and following CPUC instructions; and

RESOLVED, That the Commission approves the CleanPowerSF IRP Compliance Filing; and be it

FURTHER RESOLVED, That the Commission authorizes the General Manager to make necessary non-material changes to the compliance filing; and, be it

FURTHER RESOLVED, That the Commission directs the General Manager to submit CleanPowerSF's IRP Compliance Filing to the CPUC prior to the August 1st deadline for submission.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of July 24, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, August 28, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ ้าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of July 24, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Fiscal Year 2019 – 2020 Budget Update
   e) O'Shaughnessy Dam Reservations Quarterly Report: First and Second Quarters (January through June 2018)
   f) SFPUC's Ecoliteracy and STEM Curriculum – Water Footprint
   g) Water Supply Conditions Update
   h) Water System Improvement Program Status of Construction Change Orders
   i) Water System Improvement Program Financing Costs
   j) Wildfire Mitigation Plans

6. Other Commission Business (discussion only)

7. Recognition of Pat Martel, Former SFPUC General Manager, Upon Her Retirement from Public Service (discussion only) (Kelly, Jr.)

8. Project Pull Program Update (discussion only) (Kelly, Jr.)
   - Shayla Richardson, Sha'Nice Patterson and Carlos Ramos

9. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) 2020 Strategic Plan Update (Ellis)
   c) Bond Sale Update (Sandler)
   d) Quarterly Audit and Performance Review Report (Sandler)
      - Report on Power Enterprise Inventory
   e) Water Enterprise Capital Improvement Program Quarterly Reports (How)
   f) Water System Improvement Program Quarterly Reports: Local and Regional (How)
   g) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

10. Update on the State Water Resources Control Board's Proposed Amendments to the Water Quality Control Plan for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary (discussion only) (Ritchie)

11. Bay Area Water Supply Conservation Agency Update (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

12. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Amendment No. 1 to **Agreement No. CS-372.B**, Structural Engineering Services with SOHA/Bittleston Joint Venture, for the Seismic Upgrade of Facilities in the Sewer System Improvement Program; and authorize the General Manager to execute this amendment increasing the agreement by $1,000,000, for a total not-to-exceed amount of $3,500,000, with no change in contract duration. (How)

180131

b) Approve Modification No. 1 to **Job Order Contract JOC-59**, General Engineering (A-License) for San Francisco, San Mateo, and Alameda Counties with Power Engineering Construction Company, to perform general engineering construction tasks with an emphasis on marine-related projects, for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract value of $7,500,000, and increasing the contract duration by one year, for a total contract duration of five years, as allowed for contract executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (How)

180132

c) Approve Modification No. 1 to **Job Order Contract JOC-61**, Micro-LBE, General Engineering (A-License), for San Francisco, San Mateo, and Alameda Counties with GECMS, Inc., dba Giron Construction, to perform general building and construction tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus, increasing the contract by $1,000,000 for a total contract amount of $3,000,000, and increasing the contract duration by three years, for a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (How)

180133

d) Award Comprehensive Technical Services for Renewable & Advanced Energy Generation Services **Agreements Nos. PRO.0046.A-C**, to AEPC Group, LLC (**PRO.0046.A**), Stantec Consulting Services, Inc.

180134

(**PRO.0046.B**), and Sage Renewable Energy Consulting, Inc. (**PRO.0046.C**), to assist the Power Enterprise in evaluation, project development, permitting, project implementation, and design support during construction of renewable and advanced energy technologies; and authorize the General Manager to negotiate and execute three professional services agreements, each for an amount not to exceed $2,650,000 and each with a duration of five years. (Hale)

e) Accept work performed by Shimmick Construction Company, Inc. for
180135 **Contract No. WD-2666**, Bioregional Habitat Restoration, Sheep Camp Creek, for a total contract amount of $4,343,903, and with a total contract duration of 1,095 consecutive calendar days; and authorize final payment to the contractor. (How)

f) Approve an increase of 90 consecutive calendar days to the existing construction contract duration contingency for **Contract No. WW-570**,
180136 Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, with Blocka Construction, Inc.; and authorize the General Manager to approve future modifications to the contract up to a total contract duration of 810 consecutive calendar days (approximately two years and three months), with no change to the contract amount. (How)

g) Accept work performed by The Dutra Group for **Contract No. WW-614R**, North Point Outfall Rehabilitation, for a total contract amount of
180137 $12,904,525, and with a total contract duration of 360 consecutive calendar days (approximately one year); and authorize final payment to the contractor. (How)

h) Approve an increase in the existing contract cost contingency in the amount
180138 of $779,000 for **Contract No. WW-646**, As-Needed Spot Sewer Replacement No. 36, with J. Flores Construction, Inc.; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $9,354,642, with no change to the contract duration. (How)

i) Approve the plans and specifications, and award **Contract No. WW-673**,
180139 Oceanside Water Pollution Control Plant Door Assembly Upgrade, in the amount of $1,981,334, to the lowest, qualified, responsible and responsive bidder, Rubecon Builders, to remove, replace and upgrade existing facility doors and frames. (How)

REGULAR SESSION

13. Approve Amendment No. 5 to **Agreement No. CS-225R**, Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at Hayward Fault, Construction Management Services, with EPC Consultants, Inc., to provide construction management
180140 services on Job Order Contracts work; and authorize the General Manager to execute this amendment to extend the agreement duration by eight months, for a total duration of seven years, with no change to the agreement amount. (How)

14. Approve the selection of AECOM Technical Services, Inc. (AECOM), Applied Technology & Science (A-T-S), and Avila and Associates Consulting Engineers, Inc. (Avila); award **Agreement Nos. PRO.0066.A-C**, Natural Resources Specialized and Technical Services, to provide habitat monitoring and watershed management technical services; and authorize the General Manager
180141 to negotiate and execute three professional services agreements with AECOM (**PRO.0066.A**), A-T-S (**PRO.0066.B**), and Avila (**PRO.0066.C**), each for an amount not-to-exceed $14,000,000, and each with a duration of 10 years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Ritchie)

15. Approve Amendment No. 1 to **Agreement No. 1000009233**, Software Services Agreement with KISTERS North America Inc., to procure additional software maintenance and enhancements to the Kisters Data Acquisition Tool and Water
180142 Information Systems software for the Water Enterprise, and authorize the General Manager to execute Amendment No. 1 increasing the agreement by $168,532, for a total contract not-to-exceed amount of $268,032, and extending the term by three years for a total contract duration of six years. (Ritchie)

16. Approve the plans and specifications, and award **Contract No. WW-639**,
180143 Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades, in the amount of $38,449,000, to the lowest, qualified, responsible, and responsive bidder, Monterey Mechanical Co., to upgrade the existing digester gas systems at the Oceanside Water Pollution Control Plant. (How)

17. Approve the plans and specifications, and award **Contract No. WW-674R**, Geary Boulevard Sewer and Water Improvements, in the amount of
180144 $16,246,547, to the lowest, qualified, responsible, and responsive bidder, JMB Construction, Inc., to replace existing sewers and water mains under Geary Boulevard and to install fiber optic conduits and perform street paving. Approval of the sewer and water main components of the Geary Boulevard Sewer and Water Improvements Project constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

18. Other New Business (discussion only)

19. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

Minutes
Tuesday, August 28, 2018
(Approved September 11, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:33 PM.

2. Roll Call
   Present: Kwon, Courtney, and Moran
   Excused: Caen
   Commissioner Vietor arrived at 1:35 PM.

3. Approval of the Minutes of July 24, 2018
   On Motion to approve the Minutes of July 24, 2018:
   Ayes: Kwon, Courtney, and Moran

   No public comment.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Fiscal Year 2019 – 2020 Budget Update
   e) O'Shaughnessy Dam Reservations Quarterly Report: First and Second Quarters (January through June 2018)
   f) SFPUC's Ecoliteracy and STEM Curriculum – Water Footprint
   g) Water Supply Conditions Update
   h) Water System Improvement Program Status of Construction Change Orders
   i) Water System Improvement Program Financing Costs
   j) Wildfire Mitigation Plans

   No public comment

   Commissioner Vietor arrived at 1:35 PM.

6. Other Commission Business
   Vice President (VP) Courtney thanked the General Manager (GM)Kelly, Jr., Assistant General Manager (AGM) Juliet Ellis, Cindy Charan and Justine Hinderlitner for conversations regarding drafting the Workforce Development Policy; thanked City Attorney staff for their work; and thanked Commissioner Vietor for their discussions regarding policy objectives and Triple-Bottom-Line.

   He requested copies of any Request for Proposals related to land management, landscape maintenance, or maintenance in general, that are outside of Project Labor Agreements.

   No public comment.

7. Recognition of Pat Martel, Former SFPUC General Manager, Upon Her Retirement from Public Service

GM Kelly, Jr. asked Patricia Martel, former SFPUC GM to approach the podium for recognition of her lengthy public service career. He recapped her time at the SFPUC, noting her outstanding achievements. He congratulated her on her exceptional career and offered best wishes on her retirement.

Ms. Martel offered her thanks for the recognition. She discussed her time at the SFPUC and the work that was done. She thanked Commissioner Moran for being her mentor. She noted relationships with BAWSCA, wholesale customers, and collaborations that were made during her tenure that helped move work of the SFPUC. She expressed thanks for the ability to serve the public.

No public comment.

8. Project Pull Program Update

GM Kelly, Jr. discussed the history of Project Pull Program, stating the Program just concluded its 23rd year. He turned the presentation over to Lisa Miles-Wilkerson, Project Pull Program Director, who provided additional Program details and shared Program milestones. Director Miles-Wilkerson introduced Carlos Ramos and Shayla Richardson who spoke about their experiences with the Project Pull Program.

A video was presented in which Project Pull participants and staff thanked Lisa for her leadership and dedication to the Program.

VP Courtney thanked her for her important work with the Program's youth. President Kwon thanked her for her work with Juvenile Hall.

No public comment.

9. Report of the General Manager

a) CleanPowerSF (CPSF) Update

Barbara Hale, AGM Power, provided a CPSF update: (1) Enrollment and Service to Customers: Currently serving 108,000 accounts; 3.0% opt-out; all required notices have been mailed; 3.4% SuperGreen upgrade; (2) Regulatory: Reviewed PG&E proceedings regarding PICA charges and rulemaking, and summarized two proposed decisions, the first issued August 1st and the alternate issued August 14th. Comments and responses to decisions are being prepared.

No public comment.

b) 2020 Strategic Plan Update

AGM Ellis , introduced the item and Grace Kay, Senior Analyst, who presented the following:(1) Strategic Plan Goals; (2) FY 2017-18 Activities (develop performance measures, prioritize and implement action items, and strategic plan communications); (3) Purpose of Performance Measures; (4)

Development of Performance Measures; (5) Performance Measure Development Timeline; (6) Performance Measure Highlights; (7) Action Item Accomplishments; (8) Strategic Plan Communications; (9) Alignment Efforts; and (10) Next Steps.

No public comment.

c) Bond Sale Update

Rich Morales, Debt Manager, presented results for Series 2018 ABC Wastewater Revenue Bond and Water Infrastructure and Finance and Innovation Act (WIFIA) Loan transactions. He stated the total Par Amount was $594,145,000; average borrowing term is 19.8 years; and combined True Interest Cost of 3.44%. He discussed marketing and pricing the Bonds (direct investor outreach, strong demand for bonds, annual debt service savings from Put Bonds of $4.35M for the first five years).

Mr. Morales discussed the WIFIA Loan, which closed July 27, 2018 at an interest rate of 3.09%. He noted the loan will fund 49% of SSIP's Biosolids Digester Facility Project.

No public comment.

d) Quarterly Audit and Performance Review Report

Nancy Hom, Deputy Chief Financial Officer (CFO), presented the Quarterly Audit and Performance Review Report, indicating there have been 44 audits and assessments to-date (17 completed, 16 in-progress, and 11 upcoming), and noted audits which have started. She stated one audit was completed in the fourth quarter, "Follow-up Review of the 2012 Power Inventory Report", issued June 21, 2018.

She touched on upcoming new audits and projects, performance audits being completed, and upcoming reports. She concluded with a review of prior years, open City Services Audits and Recommendations.

Commissioner Moran expressed his pleasure with the scope and depth of the audit program. He again requested information on close-outs of audit recommendations and asked that a schedule of when open items will be closed. Deputy CFO Hom indicated she would do so going forward.

No public comment.

e) Water Enterprise Capital Improvement Program Quarterly Reports

Dan Wade, Director, Water Capital Projects and Programs, stated variances have not changed since the last report was presented. He reviewed highlights of the reporting period, noting local water pipeline replacement during 2017-18 was 8.8 miles, and discussed reasons for the replacement goal not being met; Van Ness Avenue Improvements; Sunol Yard Long Term

Improvements; Sunol Yard archaeology; and Watershed and Environmental Management Program (Sunol Nursery).

No public comment.

f) Water System Improvement Program (WSIP) Quarterly Reports: Local and Regional
Director Wade presented the WSIP Quarterly Report and indicated the project is 96% complete. He discussed progress being made on the Calaveras Dam Replacement Project, and stated the last truckload of dam core has been placed.

He noted the work that has been completed on the Fish Passage Facilities at Alameda Creek Diversion Dam; Regional Groundwater Storage and Recovery – Baden Valve Lot; and Alameda Creek Recapture Project.

No public comment.

g) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

10. Update on the State Water Resources Control Board's (SWRCB) Proposed Amendments to the Water Quality Control Plan (WQCP) for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary
GM Kelly, Jr. offered an introductory statement regarding the SWRCB's proposed amendments and the SFPUC's proposal. He indicated the staff presentation will provide an update on two focus issues: (1) improving the Tuolumne River Fish Population; and (2) water supply planning to ensure there is enough drinking water for the 2.7 million Bay Area customers during the next drought. He indicated the State did not reject the SFPUC Plan but rather it was not even considered. He reviewed the SFPUC's strategic approach and balanced proposal to meet the needs for residents and protection of essential habitats. He noted the SFPUC's history of advancing responsible environmental policies and practices. He stated the State's deferral of a vote on the plan will allow the SFPUC to continue to work with stakeholders on voluntary negotiated settlements.

GM Kelly introduced Steve Ritchie, AGM Water, who presented the following: (1) Agenda review and display of Sacramento and San Joaquin Rivers and San Joaquin Tributaries map; (2) Background: Relationship with Modesto Irrigation District (MID) and Turlock Irrigation District (TID) (1913 Raker Act; 1966 Fourth Agreement; 1995 Side Agreement; and current Don Pedro FERC relicensing process); and 2008 Water System Improvement Program planning.

AGM Ritchie responded to a question from Commissioner Vietor regarding FERC licensing and the process.

(3) Timeline review for Lower San Joaquin River WQCP Proposal: AGM Ritchie responded to a question from Commissioner Moran regarding the prior draft plan (2012), comments that were raised in the draft, and the special San Francisco appendix.

(4) Lower San Joaquin WQCP Proposal: In response to a question from President Kwon, AGM Ritchie confirmed that the State's study was based on research in Pacific Northwest river systems, not the Tuolumne River.

(5) Tuolumne River Management Plan; (6) Description of fishery experts: Noah Hume, Andrea Fuller, and Nann Fangue: AGM Ritchie responded to a question from President Kwon regarding the fishery experts' knowledge of the Tuolumne River.

(7) Chinook Salmon Smolt, and o.mykiss young fish productions (base case, State plan, and MID/TID/SFPUC scenarios). AGM Ritchie responded to a question from Commissioner Vietor as to whether hydrology is factored in.

(8) Striped Bass Predation; (9) Tuolumne River Management Plan flow measures (illustrative purpose); (10) Adaptive Management; (11) Water supply impacts Hetch Hetchy Reservoir, January 1991; (12) San Francisco water supply planning; (13) Total system storage in design drought with 265 MGD demand; (14) Most recent drought; (15) Consequences of being wrong; (16) San Francisco Chronicle editorials (January 22, 2017 and August 20, 2018): In response to a question from Commissioner Vietor, AGM Ritchie confirmed the new State-required five-year drought planning, modeling, and current climate science is being used.

(17) What major investments in uncertain water supply projects could help; and (18) Conclusions.

AGM Ritchie responded to a question from President Kwon regarding flow and non-flow measures and letters that were sent to the SWRCB.

AGM Ritchie responded to a question from Commissioner Vietor regarding the negotiated settlement process.

Public Comment

- *Al Mendall, BAWSCA Board Chair, expressed support for SFPUC's alternate Management Plan and for the State Board's decision to delay action on its plan. He noted ramifications of the SWRCB Plan. He indicated BAWSCA supports a negotiated settlement agreement.*
- *Irene O'Connell, BAWSCA Board member, expressed concern with the SWRCB Plan and offered support for the SFPUC's alternative plan. She expanded on reasons why the alternate proposal is in the best interest of all involved. She expressed support for a negotiated settlement agreement.*
- *Tom Zigterman, Stanford University, discussed Stanford's reduction in potable water demand and use via water conservation programs and new*

energy towers. He expressed support for SFPUC's efforts and noted possible results if the SWRCB proposal was in effect. He requested that environmental and economic impacts of a water reductions be fully analyzed.

- *Bill Martin, Sierra Club, expressed support for the SWRCB Plan stating fish need more water. He discussed a recent trip to Anchorage, Alaska and described their salmon habitat restoration efforts.*
- *Cindy Charles, Conservation Chair, Golden West Women Fly Fishers, stated native fish population in Lower Tuolumne are in decline. She discussed the MID/TID Tuolumne Management Plan and referenced the 1995 Settlement Agreement. She expressed support for the SWRCB Plan.*
- *Mary Young, Manager, Public Policy, San Francisco Chamber of Commerce, expressed support for the SFPUC Plan. She noted specific issues of concern with the SWRCB Plan and indicated the Chamber opposes the SWRCB Plan.*
- *Adrian Covert, Vice President Public Policy, Bay Area Council, expressed concern with the SWRCB Plan. He noted the Plan requires impossible conservation goals during drought for the Bay Area and SFPUC service area.*
- *Charlene Woodcock, Tuolumne River Trust, stated thoughts that conservation cannot be discussed until fracking in California is banned, and stated agribusiness continues to grow heavily water reliant crops. She discussed population, development, and business growth and associated water use. She expressed support for the SWRCB Plan.*
- *Chris Shutes, California Sport Fishing Protection Alliance, discussed his prior recommended for a better approach to the SWRCB Plan by the creation of special rules for flows during dry years, and equitable division of responsibility between the City and TID. He asked that the Commission review the SWRCB meeting video.*

  Mr. Shutes responded to a question from President Kwon as to a realistic solution for the augmentation of water supply.

- *Ann Clark, Tuolumne River Trust, requested the Commission establish two Bay Area Committees: San Francisco Bay Area River Water Study Committee and San Francisco Bay Area River and Water Supply Committee. She distributed a copy of her full comments.*
- *Tom Francis, BAWSCA, stated BAWSCA supports the alternative Tuolumne River Management Plan developed by the SFPUC and the two Irrigation Districts. He distributed a copy of BAWSCA's full statement.*
- *Tom Schwertscharf, Sierra Club, expressed support for the SWRCB Plan. He discussed proceedings at a recent California Environmental Protection Agency meeting he attended.*
- *Nancy Arbuckle spoke on behalf of fish. She discussed the need for the restoration of the ecosystem along with a reliable water supply. She asked the Commission work with environmental groups on environmental protection and water conservation. She expressed support for the SWRCB Plan.*

- *Mark Gonzales discussed his family heritage. He discussed attending the SWRCB hearing and expressed the need for increased flows.*
- *Denise Louie stated her household has an average water use of 12 gallons per person, per day. She stated as well as the fish that the ecosystem is at risk. She expressed support for the SWRCB Plan.*
- *Peter Drekmeier, Tuolumne River Trust, stated the Palo Alto City Council voted in support of the Bay Delta Plan 9-0. He discussed their staff's recommendations and the Council's proceedings.*

  Mr. Drekmeier responded to a question from Commissioner Vietor regarding the Palo Alto City Council's vote in opposition of the SWRCB Plan, although they customer of BAWSCA that opposes the SWRCB Plan. Brief discussion ensued.

  VP Courtney provided thoughts regarding the Palo Alto City Council's decision.

- *Noah Oppenheim, Executive Director, Pacific Coast Federation of Fisherman's' Associations, stated the organization does not support the SWRCB Plan as it does not sufficiently protect public trust and fish resources. He stated the compromise plan is an extraordinary compromise on agency science regarding flows. He discussed impacts to the fishing industry.*
- *John McManus, President, Golden Gate Salmon Association, asked if staff was being led by the agriculture districts and are being asked to ignore science presented by the California Department of Fish and Wildlife. He encouraged the Commission to do their own research.*
- *Arthur Feinstein, Sierra Club, expressed support for the SWRCB Plan and discussed the need for fish habitat.*
- *Sonia Diermayer, Sierra Club, thanked the Commission for the hearing. She stated she is disturbed that San Francisco is in opposition to the SWRCB Plan.*
- *Kendra Schultz, Silicon Valley Leadership Group, expressed concern with the SWRCB Plan and the negative economic impact on Bay Area businesses and residents. She expressed support for the alternative SFPUC Plan. She requested work toward a voluntary negotiated settlement.*
- *Elizabeth Dougherty, Director, Wholly H20, stated her household utilizes 17-20 gallons per day. She expressed concern with the fish vs. humans and economics argument and discussed keystone species and the failure of one leading to the failure of others. She stated the SFPUC should be concerned with the protection of the watershed.*
- *Spreck Rosekrans, Executive Director, Restore Hetch Hetchy, stated they take no position on the flow proposal. He provided comments on the proposals and suggested that staff should figure out now what to do if the SWRCB becomes law.*
- *Tim Eichenberg expressed support for the SWRCB Plan.*

- *Teresa Hardy, Sierra Club Water Committee, stated that SFPUC customers care about the environment and want the SFPUC to align with constituents. She wants the SFPUC to look at the SWRCB Plan and supply more water to the rivers.*
- *Rob Joyce expressed support for the SWRCB Plan and discussed challenges that require a regional approach.*
- *John Bozeman, Building Owners and Managers Association (BOMA) of San Francisco, stated BOMA cares about water conservation and their members want a secure water supply, which requires sensible planning. BOMA urges a negotiated settlement.*
- *Patti Reghr, Palo Alto, indicated she was pleased with the vote of the Palo Alto City Council. She asked that the Commission review the SWRCB plan and look at all sides.*
- *Dave Warner, Palo Alto, discussed the Palo Alto City Council's decision and reasons behind their vote. He stated scenarios presented are incomplete and actions that should be considered. He asked that the Commissioners each provide their perspective regarding the SWRCB Plan.*
- *Judy Irving, Pelican Media, stated negotiated settlements don't work. She expressed support for the SWRCB Plan and discussed her conservation efforts.*
- *Barry Hermanson, Sierra Club, expressed support for the environment. He utilizes 13-18 gallons of water per day and he discussed his conservation efforts. He presented comments from his colleague, Hunter Cutting.*
- *Chris Mickelsen, Coastside County Water District Board member, discussed his years of public service and the difficulty of raising rates and the need to do so, especially during times of conservation. He expressed support for a negotiated settlement.*

President Kwon thanked everyone in attendance for their comments. He asked the Commission for comments.

VP Courtney stated that the best outcome is not influenced by political consideration or special interest constraints. He discussed his perspective and considerations and feels the SFPUC is being thoughtful and deliberative as to obligations.

Commissioner Moran thanked everyone for their comments. He discussed the SWRCB Plan, and what he feels is a one-size fits all proposal. He stated that what is being asked of San Francisco and the ratepayers is disproportionate to what is being asked of the rest of the state. He provided thoughts on the plan, offered a historical perspective, and discussed what is needed. He stated contracts are in place and need to be honored. He discussed the possibility of desalting and the need for looking at all options. He stated conservation has not been removed from the discussion, as some have suggested. He concluded with a discussion of water purchases, and the difficulty of doing so.

Commissioner Vietor thanked everyone for attending and for their comments. She stated she is concerned with climate change, and water supply for the fish, the environment, and for the people. She indicated she will be asking for more data and science and she requested a timeline for the process prior to the State's November 7th hearing.

Commissioner Courtney requested a summary of facts that are under dispute. Discussion ensued.

Commissioner Vietor departed the meeting at 5:22 PM.

11. Bay Area Water Supply Conservation Agency (BAWSCA) Update
Tom Francis, BAWSCA, presented: (1) Reliable water supply solutions (current efforts); (2) Continued planning for potential purified water supply (two potable reuse opportunities – San Mateo and Santa Clara Counties); (3) Los Vaqueros Expansion partnership; (4) Pilot Water Transfer; (5) Water Conservation Programs; and (6) Conclusions and observations.

No public comment.

The Commission Secretary read the Consent Calendar summary.

12. *Consent Calendar:*
    a) Approve Amendment No. 1 to Agreement No. CS-372.B, Structural Engineering Services with SOHA/Bittleston Joint Venture, for the Seismic Upgrade of Facilities in the Sewer System Improvement Program; and authorize the General Manager to execute this amendment increasing the agreement by $1,000,000, for a total not-to-exceed amount of $3,500,000, with no change in contract duration. (Resolution 18-0131)

    b) Approve Modification No. 1 to Job Order Contract JOC-59, General Engineering (A-License) for San Francisco, San Mateo, and Alameda Counties with Power Engineering Construction Company, to perform general engineering construction tasks with an emphasis on marine-related projects, for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract by $2,500,000, for a total contract value of $7,500,000, and increasing the contract duration by one year, for a total contract duration of five years, as allowed for contract executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (Resolution 18-0132)

    c) Approve Modification No. 1 to Job Order Contract JOC-61, Micro-LBE, General Engineering (A-License), for San Francisco, San Mateo, and Alameda Counties with GECMS, Inc., dba Giron Construction, to perform general building and construction tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus, increasing the contract by $1,000,000 for a total contract amount of $3,000,000, and increasing the contract duration by three years, for a total contract duration of five years,

as allowed for contracts executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (Resolution 18-0133)

d) Award Comprehensive Technical Services for Renewable & Advanced Energy Generation Services Agreements Nos. PRO.0046.A-C, to AEPC Group, LLC (PRO.0046.A), Stantec Consulting Services, Inc. (PRO.0046.B), and Sage Renewable Energy Consulting, Inc. (PRO.0046.C), to assist the Power Enterprise in evaluation, project development, permitting, project implementation, and design support during construction of renewable and advanced energy technologies; and authorize the General Manager to negotiate and execute three professional services agreements, each for an amount not to exceed $2,650,000 and each with a duration of five years. (Resolution 18-0134)

e) Accept work performed by Shimmick Construction Company, Inc. for Contract No. WD-2666, Bioregional Habitat Restoration, Sheep Camp Creek, for a total contract amount of $4,343,903, and with a total contract duration of 1,095 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0135)

f) Approve an increase of 90 consecutive calendar days to the existing construction contract duration contingency for Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, with Blocka Construction, Inc.; and authorize the General Manager to approve future modifications to the contract up to a total contract duration of 810 consecutive calendar days, with no change to the contract amount. (Resolution 18-0136)

g) Accept work performed by The Dutra Group for Contract No. WW-614R, North Point Outfall Rehabilitation, for a total contract amount of $12,904,525, and with a total contract duration of 360 consecutive calendar days (approximately one year); and authorize final payment to the contractor. (Resolution 18-0137)

h) Approve an increase in the existing contract cost contingency in the amount of $779,000 for Contract No. WW-646, As-Needed Spot Sewer Replacement No. 36, with J. Flores Construction, Inc.; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $9,354,642, with no change to the contract duration. (Resolution 18-0138)

i) Approve the plans and specifications, and award Contract No. WW-673, Oceanside Water Pollution Control Plant Door Assembly Upgrade, in the amount of $1,981,334, to the lowest, qualified, responsible and responsive bidder, Rubecon Builders, to remove, replace and upgrade existing facility doors and frames. (Resolution 18-0139)

No public comment.

On Motion to approve Consent Calendar items 11a through 11i:

Ayes: Kwon, Courtney, and Moran

13. Approve Amendment No. 5 to Agreement No. CS-225R, Seismic Upgrade of Bay Division Pipeline Nos. 3&4 at Hayward Fault, Construction Management Services, with EPC Consultants, Inc., to provide construction management services on Job Order Contracts work; and authorize the General Manager to execute this amendment to extend the agreement duration by eight months, for a total duration of seven years, with no change to the agreement amount. (Resolution 18-0140)

No public comment

On Motion to approve item 13:
Ayes: Kwon, Courtney, and Moran

14. Approve the selection of AECOM Technical Services, Inc. (AECOM), Applied Technology & Science (A-T-S), and Avila and Associates Consulting Engineers, Inc. (Avila); award Agreement Nos. PRO.0066.A-C, Natural Resources Specialized and Technical Services, to provide habitat monitoring and watershed management technical services; and authorize the General Manager to negotiate and execute three professional services agreements with AECOM (PRO.0066.A), A-T-S (PRO.0066.B), and Avila (PRO.0066.C), each for an amount not-to-exceed $14,000,000, and each with a duration of 10 years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0141)

No public comment

On Motion to approve item 14:
Ayes: Kwon, Courtney, and Moran

15. Approve Amendment No. 1 to Agreement No. 1000009233, Software Services Agreement with KISTERS North America Inc., to procure additional software maintenance and enhancements to the Kisters Data Acquisition Tool and Water Information Systems software for the Water Enterprise, and authorize the General Manager to execute Amendment No. 1 increasing the agreement by $168,532, for a total contract not-to-exceed amount of $268,032, and extending the term by three years for a total contract duration of six years. (Resolution 18-0142)

No public comment

On Motion to approve item 15:
Ayes: Kwon, Courtney, and Moran

16. Approve the plans and specifications, and award Contract No. WW-639, Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades, in the amount of $38,449,000, to the lowest, qualified, responsible, and responsive

bidder, Monterey Mechanical Co., to upgrade the existing digester gas systems at the Oceanside Water Pollution Control Plant. (Resolution 18-0143)

No public comment

On Motion to approve item 16:
Ayes: Kwon, Courtney, and Moran

17. Approve the plans and specifications, and award Contract No. WW-674R, Geary Boulevard Sewer and Water Improvements, in the amount of $16,246,547, to the lowest, qualified, responsible, and responsive bidder, JMB Construction, Inc., to replace existing sewers and water mains under Geary Boulevard and to install fiber optic conduits and perform street paving. Approval of the sewer and water main components of the Geary Boulevard Sewer and Water Improvements Project constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0144)

No public comment

On Motion to approve item 17:
Ayes: Kwon, Courtney, and Moran

18. Other New Business
None.

19. Adjournment
President Kwon adjourned the meeting at 5:36 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0131**

WHEREAS, On April 14, 2015, by Resolution No. No. 15-0083, this Commission awarded Agreement No. CS-372.B, Structural Engineering Services for the Seismic Upgrade of Facilities in the Sewer System Improvement Program (SSIP), and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement, in the amount of $2,500,000, and with a term of eight years concluding on May 22, 2023, with SOHA/Bittleston Joint Venture (JV); and

WHEREAS, Amendment No. 1 is being requested for $1,000,000, increasing the total not-to-exceed agreement amount to $3,500,000, with no change in contract duration, for SOHA/Bittleston JV to provide advanced soil structure interaction modeling and additional engineering support during construction of seismic improvements to Southeast Water Pollution Control Plant (SEP) Building 042 as part of the SEP Seismic Reliability and Condition Assessment Improvements Project; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 14% Local Business Enteprise (LBE) participation (of the total value of services to be provided) for this agreement; and

WHEREAS, Funds for this agreement are available from Project No. CWWSIPSE08 – SEP Seismic Reliability and Condition Assessment Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to SSIP-funded Agreement No. CS-372.B, Structural Engineering Services for the Seismic Upgrade of Facilities in the SSIP, with SOHA/Bittleston JV to provide structural engineering design services, and authorizes the General Manager of the SFPUC to execute this amendment increasing the agreement by $1,000,000, for a total agreement amount of $3,500,000 with no change in contract duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

Please Read

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0132

WHEREAS, On July 12, 2016 per Resolution No.16-0137, this Commission approved the award of Job Order Contract (JOC) No. JOC-59, General Engineering (A-License) for San Francisco, San Mateo, and Alameda Counties to Power Engineering Construction Company; and

WHEREAS, The Notice-to-Proceed date was April 14, 2017; and

WHEREAS, The original contract amount was for an amount not-to-exceed $5,000,000 and the original contract duration was four years; and

WHEREAS, Modification No.1 is being requested to increase the contract amount by $2,500,000 for a total not-to-exceed contract amount of $7,500,000, and increase the duration by one year for a total contract duration of five years; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increases in contract price in excess of 10% of the original contract price and any cumulative extensions of time exceeding 10% of the original duration be approved by this Commission; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract; and the contractor has committed to a LBE subcontracting participation of 26.90% in its bid submittal; and

WHEREAS, No task order will be issued for construction under this contract until, if required, the appropriate California Environmental Quality Act (CEQA) document has been prepared, reviewed and considered; and

WHEREAS, Funding will be available from various San Francisco Public Utilities Commission (SFPUC) enterprise funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 1 to Job Order Contract No. JOC-59, General Engineering (A-License) for San Francisco, San Mateo, and Alameda Counties, for continued general engineering construction work for all San Francisco Bay Area Operations and facilities, increasing the contract amount by $2,500,000 for a total not-to-exceed contract amount of $7,500,000, and extending the contract duration by one year, for a total contract duration of five years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0133**

WHEREAS, On July 12, 2016, per Resolution No.16-0138, this Commission approved the award of Job Order Contract (JOC) No. JOC-61, for Micro-LBE, General Engineering (A-License), San Francisco, San Mateo and Alameda Counties, for a not-to-exceed amount of $2,000,000 to GECMS, Inc. dba Giron Construction; and

WHEREAS, The Notice-To-Proceed date was set for April 7, 2017; and

WHEREAS, The original contract amount was for $2,000,000 and the original contract duration was two (2) years; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increases in contract price in excess of 10% of the original contract price and any cumulative extensions of time exceeding 10% of the original duration be approved by this Commission; and

WHEREAS, Modification No. 1 is being requested to complete ongoing facility improvements such as roofing, carpentry, plumbing and electrical work for SFPUC's Operations and Bureaus, increasing the contract amount by $1,000,000 for a total contract value of $3,000,000, and increasing the contract duration by three years for a total of five years; and

WHEREAS, A Contract Monitoring Division (CMD) subcontracting goal and bid discount do not apply to Micro-Local Business Enterprise (LBE) Set Aside Contracts; and

WHEREAS, No task order will be issued under this contract until, if required, the appropriate California Environmental Quality Act (CEQA) document has been prepared, reviewed and considered; and

WHEREAS, Funding will be available from various San Francisco Public Utilities Commission (SFPUC) Enterprise funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 1 to JOC- 61, Micro-LBE, General Engineering (A-License), San Francisco, San Mateo and Alameda Counties with GECMS, Inc. dba Giron Construction, to accomplish general building construction work for all SFPUC Enterprise Operations and Bureaus, increasing the contract amount by $1,000,000 for a total contract value of $3,000,000, and increasing the contract duration by three years, for a total contract duration of five years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0134**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires consulting services comprehensive technical support for renewable and advanced energy generation systems to support the Power Enterprise in the evaluation, development, and construction of renewable and advanced energy generation projects as part of the SFPUC's role as municipal power provider and implementer of the City's renewable energy goals. The purpose of these projects is to accelerate the development of renewable and advanced energy projects in San Francisco; and

WHEREAS, It is necessary to procure the services of three qualified renewable and advanced energy consulting firms to provide specialized technical evaluation, project development, and design support during construction of renewable and advanced energy projects to supplement SFPUC staff; and

WHEREAS, The estimated cost of services is $2,650,000 for each of the three consulting agreements, for a cumulative cost of $7,950,000; and

WHEREAS, SFPUC advertised the Request for Proposals on March 29, 2018; and

WHEREAS, SFPUC staff anticipates that services will begin in September 2018 and end in September 2023, and the duration of each of the three agreements is five years; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the proposals resulted in the determination that AEPC Group, LLC (PRO.0046.A), Stantec Consulting Services, Inc. (PRO.0046.B), and Sage Renewable Energy Consulting, Inc. (PRO.0046.C) are the three most qualified consulting firms; and

WHEREAS, CMD established a subconsulting requirement of 7% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for each of these three agreements; and

WHEREAS, Approval of the proposed agreements by this Commission would not fall within the definition of a "project" under the California Environmental Quality Act (CEQA) Guidelines Section 15378 as the services provided under these contracts do not involve any direct or indirect physical change in the environment; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for these agreements will be available at the time of award of the agreement from SF Electrical Reliability – Transbay Project Funds – Authority 15375 - Project 10014244, Small Renewables – Authority 15400 - Project 10014646, Hetchy Cap & Trade Allowances – Authority 15404 - Project 10014665, Civic Center Solar – Authority 15397 - Project 10014642; now, therefore, be it

RESOLVED, That this Commission hereby: (1) approves the selection of AEPC Group, LLC, Stantec Consulting Services, Inc., and Sage Renewable Energy Consulting, Inc.; (2) awards Power Enterprise Comprehensive Technical Services for Renewable & Advanced Energy Generation Systems Agreement No. PRO.0046.A to AEPC Group, LLC, Agreement No. PRO.0046.B to Stantec Consulting Services, Inc., and Agreement No. PRO.0046.C to Sage Renewable Energy Consulting, Inc., to provide professional services related to technology assessments, site and technology evaluations, project development, permitting, and design support during construction of renewable and advanced energy projects; and (3) authorizes the General Manager of the SFPUC to negotiate and execute three professional services agreements with AEPC Group, LLC (PRO.0046.A), Stantec Consulting Services, Inc. (PRO.0046.B), and Sage Renewable Energy Consulting, Inc. (PRO.0046.C) for an amount not to exceed $2,650,000 each, and with a duration of five years each, or, in the event negotiations are not successful or City requirements are not satisfied, to re-advertise and re-select new consultants.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0135**

WHEREAS, Construction has been completed for Contract No. WD-2666 - Bioregional Habitat Restoration - Sheep Camp Creek by the contractor, Shimmick Construction Company Inc.; and

WHEREAS, On June 26, 2012, by Resolution No. 12-0115, this Commission awarded Contract No. WD-2666, Bioregional Habitat Restoration - Sheep Camp Creek, in the amount of $3,912,500, to the lowest, qualified responsible and responsive bidder, Shimmick Construction Company Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for September 4, 2012, with an original schedule of 1,710 consecutive calendar days; and

WHEREAS, On February 24, 2014, by Resolution No. 14-0038, this Commission approved an increase to the original 10% contract cost contingency of $391,250 in the amount of $545,664, increasing the total contract cost contingency to $936,914 to account for drought conditions requiring emergency watering and due to changes in hydrogeological conditions requiring additional well investigations and construction, increasing the maximum contract amount limit to $4,849,414; and

WHEREAS, Modification Nos. 1 through 14 were issued to modify the Pond B spillway, remove a culvert; modify miscellaneous piping, redesign the cattle water system, install erosion control, install temporary electrical fencing, add temporary irrigation, delete Gully 3 temporary fencing, install a test bore at Arroyo well site, redesign Arroyo Well pump, power and controls, add fence line posts, and deduct for plant survivorship, which resulted in a cumulative increase of $431,403, increasing the final contract amount to $4,343,903; and

WHEREAS, Deletion of the long-term plant establishment period under Modification No. 12 reduced the contract duration from the original duration of 1,710 consecutive calendar days to 1,095 consecutive calendar days, with final completion on September 4, 2015; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontractor participation goal of 18% for this contract; and CMD determined that the contractor exceeded the 17.97% LBE participation submitted for this contract by achieving a final LBE participation of 30.24%; and

WHEREAS, Funds are available from Project No. CUW38802 – Bioregional Habitat Restoration; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Shimmick Construction Company Inc. for Water Enterprise, Water System Improvement Program funded Contract No. WD-2666, Bioregional Habitat Restoration - Sheep Camp Creek, for a total contract amount of $4,343,903, and with a total contract duration of 1,095 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0136**

WHEREAS, On May 10, 2016, per Resolution No. 16-0082, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, to Blocka Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for July 25, 2016; and

WHEREAS, The original contract amount was for $6,138,000 and the original contract duration was 570 consecutive calendar days; and

WHEREAS, On April 24, 2018, by Resolution No. 18-0065, this Commission approved an increase the contract contingency in the amount of 93 consecutive calendar days to complete HVAC equipment start-up, testing and commissioning, and equipment integration into the DCS system at Oceanside Water Pollution Control Plant, increasing the contract duration limit to 720 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative extensions of time in excess of 10% of the original contract duration be approved by this Commission; and

WHEREAS, The project has encountered construction time delays to perform programming changes of the control system and field modifications for the building 930 state fishery compliance testing (bioassay) room to ensure finite temperature control, reliable equipment operation, and ensure homogenous mixing of cooled air within the space such that laboratory testing will be performed in compliance with state regulatory requirements at Oceanside Water Pollution Control Plant; and

WHEREAS, An increase to the contract duration contingency in the amount of 90 consecutive calendar days is being requested, increasing the contract duration limit to 810 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20% this construction contract, and the contractor committed to a LBE participation of 27.52% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWSIPTPOP05 – OSP Condition Assessment Repairs; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase of 90 consecutive calendar days to the contract duration contingency for WWE, SSIP funded Contract No. WW-570, Oceanside Water Pollution Control Plant and Westside Pump Station HVAC Upgrades, for a total contract duration contingency of up to 240 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve future modifications for up to a total contract duration of 810 consecutive calendar days, with no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0137**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-614R2, North Point Outfall Rehabilitation, by the contractor, The Dutra Group; and

WHEREAS, On January 10, 2017, by Resolution No. 17-0011, this Commission awarded Contract No. WW-614R2, North Point Outfall Rehabilitation, in the amount of $12,485,980, to the lowest, qualified responsible and responsive bidder, The Dutra Group; and

WHEREAS, The construction contract Notice-to-Proceed date was set for March 7, 2017, with an original schedule of 330 consecutive calendar days; and

WHEREAS, The original contract amount was for $12,485,980 and the original contract duration was 330 consecutive calendar days; and

WHEREAS, Modification No. 1 was issued for $418,545 and 30 consecutive calendar days, increasing the contract amount to $12,904,525 and the duration to 360 consecutive calendar days, to repair the leak at flange joint transitioning from Cast Iron Pipe to Ductile Iron Pipe, repair corroded pipe support beams, pipe support spot repairs to defective concrete under piers, non-leaking joint repairs with flexible epoxy, additional pipe cleaning and lining, increase interior lining thickness to mitigate extreme pipe corroded condition; and

WHEREAS, The Contract Monitoring Division determined that the contractor complied with the 15% Local Business Enterprise requirement for this contract; and

WHEREAS, Funds are available from Project No. CWWSIPTPNP01, North Point Outfall Rehabilitation; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by The Dutra Group for WWE, SSIP funded Contract No. WW-614R, North Point Outfall Rehabilitation, for a total contract amount of $12,904,525, and with a total contract duration of 360 consecutive calendar days; and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

Please Read

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0138**

WHEREAS, On July 11, 2017, per Resolution No. 17-0165, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program funded Contract No. WW-646, As-Needed Spot Sewer Replacement No. 36, to J. Flores Construction, Inc.; and

WHEREAS, The construction contract Notice-To-Proceed date was set for October 24, 2017; and

WHEREAS, The original contract amount was for $7,796,038 and the original contract duration was 400 consecutive calendar days; and

WHEREAS, Section 6.22(h)(1) of the Administrative Code requires that any cumulative increase in contract cost in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, An increase to the existing $779,604 contract contingency in the amount of $779,000 is being requested to restore the pavement on 5 blocks of Hayes Street at the request of and funded by the Department of Public Work's Pavement Renovation Program and to fund additional spot sewer replacement work until Contract No. WW-656, As-Needed Spot Sewer Replacement No. 37, is issued Notice-to-Proceed; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 20.01% with its bid submittal; and

WHEREAS, On October 5, 2015, the Planning Department determined that the Public Works Paving Project is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15301, Existing Facilities, Class 1; and

WHEREAS, Funds are available from Project No. 10029247, As-Needed Spot Sewer Replacement No. 36; and

RESOLVED, That this Commission hereby approves an increase in the contract cost contingency in the amount by $779,000 for WWE, R&R Program-funded Contract No. WW-646, As-Needed Spot Sewer Replacement No. 36, with J. Flores Construction, Inc; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, of his designee, to consider and, if appropriate, approve future modifications to the contract for a total contract not to exceed amount of $9,354,642, with no change to the contract duration.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Shoot

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0139**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Wastewater Enterprise (WWE), Renewal and Replacement Treatment Facilities (R&R) Program-funded Contract No. WW-673, Oceanside Water Pollution Control Plant Door Assembly Upgrade on February 23, 2018; and

WHEREAS, The baseline budget amount is $2,310,000 and the Engineer's Estimate is $2,100,000 for this construction contract work to remove, replace and upgrade the existing deficient and deteriorated facility doors and frames; and

WHEREAS, The contract duration is 600 consecutive calendar days; and

WHEREAS, Three (3) bids were received and opened publicly on May 17, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences and compensable delay extension prices in accordance with the contract documents, and this review resulted in the establishment of Rubecon Builders as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, The CMD established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this contract and the contractor committed to a LBE participation of 21.49% with its submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CWWRNRTF70, OSP Door Repair and Replacement; and

WHEREAS, The Project does not constitute a "project" under the California Environmental Quality Act (CEQA) Guidelines Section 15378; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Treatment Facilities Program-funded Contract No. WW-673, Oceanside Water Pollution Control Plant Door Assembly Upgrade, in the amount of $1,981,334, and with a duration of 600 consecutive calendar days to the lowest, qualified, responsible and responsive bidder, Rubecon Builders.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glory Stood

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0140**

WHEREAS, On June 12, 2012, by Resolution No. 12-0100, this Commission awarded Agreement No. CS-225R, Seismic Upgrade of Bay Division Pipeline (BDPL) Nos. 3&4 at Hayward Fault, Construction Management Services, and authorized the General Manager to execute a professional services agreement in the amount of $8,500,000 and with a duration of three years and four months, concluding on October 29, 2015, with EPC Consultants, Inc.; and

WHEREAS, Amendment No. 1 was issued by staff pursuant to the General Manager's delegated authority under Resolution No. 09-0017 to extend the agreement term by six months, to provide continuing construction management services for the Seismic Upgrade of BDPL Nos. 3&4 at Hayward Fault Project ("Project"); and

WHEREAS, Amendment No. 2 was approved by the Commission on April 26, 2016 by Resolution No. 16-0062 to extend the agreement term by 12 months, for a total agreement duration of four years and 10 months, to April 27, 2017, in order to provide continuing construction management services through the end of the anticipated closeout of the Project; and

WHEREAS, Amendment No. 3 was approved by the Commission on April 11, 2017 by Resolution No. 17-0076 to extend the agreement term by six months, for a total agreement duration of five years and four months, to October 27, 2017, in order to allow additional time to review, negotiate, and settle outstanding change order requests/claims by the construction contractor related to field changes made during construction; and

WHEREAS, Amendment No. 4 was approved by the Commission on November 14, 2017 by Resolution No. 17-0230 to extend the agreement term by 12 months, for a total agreement duration of six years and four months, to October 27, 2018, to allow additional time to finalize agreed upon change orders, progress payments, and closeout documents; to close out the construction contract; to continue negotiations with Alameda County Water District (ACWD) on change orders and final costs for work related to ACWD's waterline installation included in SFPUC's construction contract; and to allow EPC Consultants, Inc. to provide construction management services on Job Order Contract (JOC) work to install ventilation and sump pump systems in vaults and address unexpected corrosion issues on the pipe and pipe supports; and

WHEREAS, Amendment No. 5 is requested to extend the agreement term by eight months, for a total agreement duration of seven years, to June 30, 2019, with no increase in contract value, to allow EPC Consultants, Inc. to continue to provide construction management services on JOC work items that are necessary to fully meet Level of Service (LOS) goals and objectives for the Seismic Upgrade of BDPL Nos. 3&4 at Hayward Fault, to be implemented under the WSIP Closeout – Bay Division Project; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 18% Local Business Enterprise (LBE) participation for this agreement; and

WHEREAS, Funds for this agreement continue to be available from CUWBDP0101 WSIP Closeout - Bay Division; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 5 to Water Enterprise, Water System Improvement Program-funded Agreement No. CS-225R, Seismic Upgrade of BDPL Nos. 3&4 at Hayward Fault, Construction Management Services, with EPC Consultants, Inc., to continue to provide construction management services on JOC work under the WSIP Closeout - Bay Division Project, and authorizes the General Manager to execute this amendment, increasing the agreement duration by eight months, for a total agreement duration of seven years, with no change to the agreement amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0141**

WHEREAS, San Francisco Public Utilities Commission (SFPUC) Water Enterprise staff requires the support of consultants to assist with managing and monitoring SFPUC watershed lands, and with meeting the requirements for SFPUC's permit related mitigation obligations; and

WHEREAS, It is necessary to procure the services of qualified consulting firms to supplement SFPUC staff to provide specialized and technical support, including ecological analysis, planning, permitting, and environmental regulatory compliance services, land and natural resource management services, and habitat restoration planning and natural resource protection services; and

WHEREAS, SFPUC advertised a Request for Proposals for natural resources specialized and technical services on May 10, 2018; and

WHEREAS, The estimated cost of services for each agreement is $14,000,000; and

WHEREAS, Services are anticipated to begin in January 2019 and end in December 2028, and the duration of each agreement is 10 years; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the proposals resulted in the determination that AECOM Technical Services, Inc. (PRO.0066.A), Applied Technology & Science (PRO.0066.B), and Avila and Associates Consulting Engineers, Inc. (PRO.0066.C) are the most qualified consulting firms; and

WHEREAS, CMD established a subconsulting requirement of 10% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for these agreements; and

WHEREAS, Approval of the proposed agreement by this Commission would not fall within the definition of a "project" under the California Environmental Quality Act (CEQA) Guidelines Section 15378 as the services provided under this contract do not involve any direct or indirect physical change in the environment; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within two weeks of the date of the Board of Supervisors' authorization to execute the Agreement may result in re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Board of Supervisors' authorization to execute the Agreements; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for each of these agreements will be available at the time of individual task order awards from Water Enterprise operating and capital budgets, now, therefore, be it

RESOLVED, That this Commission hereby: (1) approves the selection of AECOM Technical Services, Inc., Applied Technology & Science, and Avila and Associates Consulting Engineers, Inc.; (2) awards Water Enterprise-funded Agreement No. PRO.0066.A to AECOM Technical Services, Inc., Agreement No. PRO.0066.B to Applied Technology & Science, and Agreement No. PRO.0066.C to Avila and Associates Consulting Engineers, Inc., to provide natural resources specialized and technical services, and (3) authorizes the General Manager to negotiate and execute three professional services agreements (Agreement Nos. PRO.0066.A-C), each with an amount not to exceed $14,000,000 and each with a duration of 10 years, subject to Board of Supervisors approval pursuant to Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0142**

WHEREAS, The San Francisco Public Utilities Commission Water Enterprise currently owns five Water Information Systems Kisters (WISKI) licenses to collect and archive water resources data of the Regional Water System for planning, forecasting, documenting water rights, and performing other modeling tasks; and

WHEREAS, In 2015, pursuant to the General Manger's delegated authority under Resolution No. 09-0017, SFPUC executed Agreement No. 1000009233 (Agreement) to procure professional services from Kisters North America Inc. (Kisters) to enhance its Kisters Data Acquisition Tool (KiDAT), perform system changes to its WISKI time series management software,and provide advance WISKI and KiScript training to the SFPUC; and

WHEREAS, The Agreement had a term of three years, commencing on July 1, 2015 and ending on June 30, 2018, with a not to exceed amount of $99,500; and

WHEREAS, SFPUC Water Enterprise now seeks to execute Amendment No. 1 to allow SFPUC to procure additional technical services by which to enhance its KiDAT Tool and WISKI software; and

WHEREAS, Amendment No. 1 will extend the contract term by three years through June 30, 2021 and increase the contract not to exceed amount by $168,532 to $268,032; and

WHEREAS, Agreement No. 1000009233 and Amendment No. 1 thereto were authorized as sole source software support contracts by the Office of Contract Administration (OCA) pursuant to Chapter 21.30(d) of the San Francisco Administrative Code; and

WHEREAS, Amendment No. 1 was approved by the Civil Service Commission on May 21, 2018 pursuant to Modification 1 to PSC No. 36554-14/15; and

WHEREAS, Pursuant to Chapter 14B of the San Francisco Administrative Code, the Contract Monitoring Division Local Business Enterprise sub-consulting requirements have been waived for Agreement No. 1000009233 and Amendment 1 thereto; and

WHEREAS, Funds for this agreement are available from the Water Enterprise Operating Budget; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to Agreement No. 1000009233, Software Services Agreement with Kisters North America Inc., to procure additional software enhancements to the Kisters Data Acquisition Tool and Water Information Systems Kisters software and software maintenance services, and authorizes the General Manager to execute this Amendment No. 1, increasing the agreement by $168,532, for a total contract not-to-exceed amount of $268,032, and with a retroactive time extension of three additional years through June 30, 2021, for a total contract duration of six years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0143**

WHEREAS, Wastewater Enterprise (WWE) Sewer System Improvement Program (SSIP) funded Contract No. WW-639, Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades was advertised on April 25, 2018; and

WHEREAS, The Engineer's Estimate is $36,300,000 for this construction contract work to upgrade the existing odor control units (OCUs) and subsequent ventilation systems serving the primary and secondary clarifiers at the Oceanside Water Pollution Control Plant (OSP); and

WHEREAS, The contract duration is 820 consecutive calendar days; and

WHEREAS, Five bids were received and opened publicly on June 27, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Monterey Mechanical as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this contract, and the contractor committed to a LBE participation of 19.88% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CWWSIPTPOP03, OSP Digester Gas Utilization Upgrade; and

WHEREAS, Project CWWSIPTPOP03, Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrade was approved by the Commission on August 8, 2017 under Resolution No. 17-0184 in order to proceed with the loan agreement to receive Clean Water State Revolving Fund (CWSRF) loan financing; and

WHEREAS, SFPUC Finance will be requesting approval of a CWSRF loan to finance all eligible costs for this SSIP project; and

WHEREAS, On June 2, 2017 the Planning Department determined that the project is categorically exempt from the California Environmental Quality Act (CEQA) under Guidelines Section 15301, Class 1 (Existing Facilities), Case Number 2017-006119ENV.; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE SSIP)-funded Contract No. WW-639, Oceanside Water Pollution Control Plant Digester Gas Utilization Upgrades, in the amount of $38,449,000, and for a duration of 820 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Monterey Mechanical Co.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0144**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Sewer System Improvement Program (SSIP) and Water Enterprise, Local Conveyance/Distribution System Program funded Contract No. WW-674R, Geary Boulevard Sewer and Water Improvements, on June 15, 2018; and

WHEREAS, The purpose of the Geary Boulevard Sewer and Water Improvements project is to replace and rehabilitate aging sewers and water mains and install fiber optic conduits along Geary Boulevard from Stanyan Street to Van Ness Avenue; and

WHEREAS, The Engineer's Estimate is $16,000,000 for this construction contract work; and

WHEREAS, The contract duration is 695 consecutive calendar days (approximately 1 year and 11 months); and

WHEREAS, Three (3) bids were received and opened publicly on July 12, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of JMB Construction, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, CMD established a Local Business Enterprise (LBE) subcontracting requirement of 18% for this contract, and the contractor committed to a LBE participation of 25% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, SFPUC funds are available from Sewer System Improvement Program Project No. CWWSIPCSSR06, Geary BRT Sewer Improvements Phase 1 in the amount of $7,295,208, and from Water Enterprise Project No. CUW280PR88, WD-2793 Geary Boulevard Sewer and Water Improvements in the amount of $6,371,728; and

WHEREAS, Additional funds for the Project are being provided by San Francisco Public Works in the amount of $694,974 for street paving, SFMTA in the amount of $1,135,351 for fiber optic conduit installation, and SF Department of Technology in the amount of $749,286 for fiber optic conduit installation; and

WHEREAS, On April 14, 2017 the Planning Department determined that the sewer component of the Project is categorically exempt from the California Environmental Quality Act (CEQA) under Guidelines Section 15301, Class 1 (Existing Facilities), and on November 11, 2017 the Planning Department determined that the water main component of the Project is categorically exempt from the California Environmental Quality Act (CEQA) under Guidelines Section 15301, Class 1 (Existing Facilities; and

WHEREAS, Approval of the sewer and water main components of the Project constitutes the Approval Action for the project for the purposes of California Environmental Quality Act (CEQA), pursuant to Section 31.04(h) of the San Francisco Administrative Code; and

WHEREAS, On August 25, 2008 City of San Francisco Department of Parking and Traffic determined that the fiber optic component of the Project is categorically exempt from the California Environmental Quality Act (CEQA) under Guidelines Section 15301, Class 1 (Existing Facilities), Section 15302 Class 2 (Replacement or Reconstruction), and Section 15303, Class 3 (New Construction or Conversion of Small Structures); and

WHEREAS, On January 5, 2017, the San Francisco County Transportation Authority (SFCTA) certified the Geary BRT Project Final Environmental Impact Report (FEIR), which includes the paving component of the Project, now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards SSIP and Water Enterprise funded Contract No. WW-674R, Geary Boulevard Sewer and Water Improvements, in the amount of $16,246,547, and for a duration of 695 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, JMB Construction, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of August 28, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, September 11, 2018

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / ความชวยเหลอื ทางภาษาโดยไมเสยคาใชจาย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of August 28, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Water System Improvement Program Report
   e) Citizens' Advisory Committee Resolutions, Adopted August 21, 2018
   f) Status of Large Development Projects - Regional Water Supply Service Area
   g) Ordinance Authorizing Solar Interconnection Agreements
   h) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Bay Delta Water Quality Control Plan Update (Ritchie)
   c) Hetch Hetchy Capital Improvement Program Quarterly Report (How)
   d) Sewer System Improvement Program Quarterly Report
   e) Wastewater Enterprise Capital Improvement Program Quarterly Report (How)
   f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Accept work performed by A. Ruiz Construction Co. & Assoc. Inc. for **Contract No. WD-2710**, San Francisco Local Water As-Needed Paving 3-Year Contract; approve Contract Modification No. 4 (Final), decreasing the contract amount by $4,107, for a total contract amount of $14,916,761; and authorize final payment to the contractor. (How)

180145

b) Accept work performed by M Squared Construction, Inc., for **Contract No. WD-2737**, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets, and on Taylor Street from Market to Pine Streets; ratify correction of the total contract duration to reflect time extension approved in Modification No. 1; approve Modification No. 2 (Final), decreasing the contract amount by $2,813, for a total contract amount of $4,354,166, with a non-compensable time extension of 43 consecutive calendar days, for a total contract duration of 682 consecutive calendar days; and authorize final payment to the contractor. (How)

180146

180147 c) Approve an increase of 19 consecutive calendar days to the existing 41-day construction contract duration contingency for **Contract No. WW-636**, Various Locations Sewer Replacement and Pavement Renovation No. 4; and authorize the General Manager to approve future modifications to the contract duration for a total revised contract duration of up to 474 consecutive calendar days (approximately one year and four months), with no change to contract amount. (How)

180148 d) Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days (three months) for **Contract No. WW-659**, Greenhouse Demolition at 1150 Phelps Street; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 239 calendar days (approximately eight months), with no change to the contract amount. (How)

REGULAR SESSION

9. Approve the terms and conditions and authorize the General Manager to execute a **five-year lease**, with a three-year option to extend the term, with Sea Cliff Fund, LLC, Del Mar SF, LLC, TIC Investments, LLC, and 50 Quint, LLC, together as landlord, for the Wastewater Enterprise to use warehouse space and two adjoining paved areas located at 50 Quint Street in San Francisco, for various Sewer System Improvement Program purposes, for an annual rent of $1.2 million, with annual rent increases based on the Consumer Price Index. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Carlin)

180149

180150 10. Approve the plans and specifications, and award **Contract No. WW-667**, Mariposa Dry Weather Pump Station Improvements, in the amount of $17,031,000, to the lowest, qualified, responsible and responsive bidder, Western Water Constructors, Inc., to demolish the existing pump station and reconstruct a new Mariposa Pump Station. (How)

11. Public Comment on matters to be addressed during Closed Session

12. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

13. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action item) (Sheinfield)

180151

Existing Litigation
David Alfaro, et al. v. City and County of San Francisco
San Francisco Superior Court No.: CGC-15-547492

180152 Date Filed: 8/20/15
Proposed settlement of action as to property claims of three of numerous plaintiffs; several co-plaintiffs remain in litigation: (1) Lionel Tan and Dr. Ho Tan ($245,000); and (2) Kwok Shing Hong ($110,796.81)

14. Pursuant to Government Code Section 54957 (b)(1) and San Francisco Administrative Code Section 67.10(b), discussion and possible action to conduct **Public Employee Performance Evaluation of Harlan L. Kelly, Jr**., General Manager of the San Francisco Public Utilities Commission. (Action)

Following Closed Session, the Commission will reconvene in Open Session

15. Announcement Following Closed Session

16. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

17. Pursuant to Government Code Section 54957(b)(4), discussion and possible action to **award a bonus of up to 3% of the General Manager's base salary** based on the Commission's evaluation of the General Manager against the Commission-established performance goals for the General Manager for Fiscal Year 17-18, and pursuant to the General Manager's employment contract approved by the Commission on July 25, 2017 and San Francisco Charter Section 8B.126(a). (Action)

18. Other New Business (discussion only)

19. Adjournment

Notice of Public Hearing

NOTICE OF PUBLIC HEARING: Tuesday, September 25, 2018 – 1:30 PM, City Hall, Room 400, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102, at a Regular Meeting of the SAN FRANCISCO PUBLIC UTILITIES COMMISSION: Public Hearing, discussion, and possible action to adopt the Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process to allow property owners to request review of the inclusion of their specific parcel(s) in the Map's flood risk zone. The detailed agenda and related files will be available at least 72 hours before the scheduled meetings at the SFPUC website www.sfwater.org, or by calling (415) 554-3165.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

Minutes
Tuesday, September 11, 2018
(Approved September 25, 2018)

1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:37 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen and Moran
   Excused: Vietor

3. Approval of the Minutes of August 28, 2018
   On Motion to approve the Minutes of August 28, 2018:
   Ayes: Kwon, Courtney, Caen and Moran

   Public Comment
   None.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Water System Improvement Program Report
   e) Citizens' Advisory Committee Resolutions, Adopted August 21, 2018
   f) Status of Large Development Projects - Regional Water Supply Service Area
   g) Ordinance Authorizing Solar Interconnection Agreements
   h) Water Supply Conditions Update
      Commissioner Moran requested that staff provide timely response to Commission Outstanding Requests as provided with item 5a, Advance Calendar, noting some requests are more than one year old.

      No public comment.

6. Other Commission Business
   Vice President (VP) Courtney thanked Yolanda Manzone for her communication regarding the SFPUC's Eco-literacy and STEM Curriculum; Ivy Fine for her work on his request for information regarding contracts; and staff for their work on the Workforce Development Policy. He briefly discussed work being done and objectives for labor standards.

   No public comment.

7. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
      Michael Hyams, Director, CPSF, provided the update: (1) Enrollment and Service to Customers: Currently serving 108,000 accounts; 3.1% opt-out rate; 3.4% SuperGreen upgrade rate; Next quarterly enrollment begins in October; (2) Global Climate Action Summit: Taking place in San Francisco through September 14, 2018 showcasing climate action efforts. Mr. Hyams

noted ways the Power Enterprise and CPSF is participating in the Summit and highlighted ways CPSF is helping to mitigate Climate Change; (3) Regulatory: Updated Commission regarding the California Public Utilities Commission's (CPUC) two proposals in the PCIA proceeding and SFPUC actions. He noted interested parties can send a letter to the CPUC. He thanked External Affairs staff for their work.

No public comment.

b) Bay Delta Water Quality Control Plan (BDWQP) Update
Steve Ritchie, Assistant General Manager (AGM) Water, provided the update. He indicated he presented information regarding the Plan at a meeting of the Santa Clara Valley Water District Board. He noted at the September 25, 2018 SFPUC meeting he will present differences that exist between the State proposal and the SFPUC proposal. He stated there has been an increased number of discussions on the negotiated settlement.

AGM Ritchie responded to a question from Commissioner Caen regarding references to studies that have been conducted in Pacific Northwest rivers rather than on the Tuolumne River.

No public comment.

c) Hetch Hetchy Capital Improvement Program (CIP) Quarterly Report
Dan Wade, Director, Water Capital Projects & Programs, provided the report: (1) March 2018 Storm Event Emergency Repairs & Interim Improvements; (2) Map: Condition prior to event; (3) March 2018 Storm Event: Leithold Water Line repair and Moccasin Dam Toe repair; (4) Moccasin Penstock Rehabilitation: Contract terminated for convenience; (5) Construction milestones – other projects; (6) Mountain Tunnel: Interim repairs Phase II); and (7) San Francisco Solar Projects: San Francisco Police Academy and Marina Middle School.

Director Wade responded to a question from President Kwon regarding funding for the solar projects; and to a question from Commissioner Caen regarding how forecast costs for the Moccasin Penstock were determined.

Public Comment

- *Denise Louie stated capital improvement programs should be pro-environment.*

d) Sewer System Improvement Program (SSIP) Quarterly Report
Howard Fung, Interim Wastewater Enterprise CIP Director, provided the report: (1) Program Status: 24.8% of Phase 1 projects complete and $0.649B expended; (2) Biosolid Digester Facilities Project: Budget $1.276M; Phase 95% design; construction to begin March 2019; (3) Southeast Plant (SEP) New Headworks Facility Project: Budget $418.8M; Scope I, II and III updates; (4) Other Phase 1 Projects; (5) Current Construction SEP: Primary

& Secondary Clarifier upgrades; 521/522 & Disinfection upgrades; and existing Digester Gas Handling Improvements; (6) Stormwater Management Projects: Chinatown Living Alley; Wiggle Neighborhood Green Corridor; and Visitacion Valley Green Nodes; (7) SSIP Phase 1 Jobs Report: 32% actual SSIP local hire percentage achieved and 65% hours worked by San Francisco residents apprenticeships; (8) Stakeholder Outreach; and (9) Other Program Updates.

Interim Director Fung responded to a question from Commissioner Moran regarding the Digester Facility Project end date and the difference between the "end of project" date versus the "completed date". Commissioner Moran expressed concern with confusion between the two dates and requested that the construction completion date and transition processes be clearly communicated to the community. Discussion ensued.

VP Courtney concurred with Commissioner Moran's concerns and asked that messaging and communication with the community occur. AGM How indicated that staff is working with External Affairs and the Communications on outreach, messaging, and communications with the community regarding opportunities and the timeline, including transition time. Juliet Ellis, AGM External Affairs, stated there is a construction communications office located at 1800 Oakdale that is available to answer questions regarding the project.

No public comment.

e) Wastewater Enterprise Capital Improvement Program Quarterly Report
Interim Director Fung provided the report, discussing two "red dots", or variances. First is the Ocean Beach Project variance with additional time needed for sand nourishment work and stakeholder planning; and the second variance being the Griffith Yard Improvements, which need additional time for completion

No public comment.

f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

No public comment.

The Commission Secretary read the Consent Calendar summary.

8. *Consent Calendar:*
   a) Accept work performed by A. Ruiz Construction Co. & Assoc. Inc. for Contract No. WD-2710, San Francisco Local Water As-Needed Paving 3-Year Contract; approve Contract Modification No. 4 (Final), decreasing the contract amount by $4,107, for a total contract amount of $14,916,761; and authorize final payment to the contractor. (Resolution 18-0145)

b) Accept work performed by M Squared Construction, Inc., for Contract No. WD-2737, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets, and on Taylor Street from Market to Pine Streets; ratify correction of the total contract duration to reflect time extension approved in Modification No. 1; approve Modification No. 2 (Final), decreasing the contract amount by $2,813, for a total contract amount of $4,354,166, with a non-compensable time extension of 43 consecutive calendar days, for a total contract duration of 682 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0146)

c) Approve an increase of 19 consecutive calendar days to the existing 41-day construction contract duration contingency for Contract No. WW-636, Various Locations Sewer Replacement and Pavement Renovation No. 4; and authorize the General Manager to approve future modifications to the contract duration for a total revised contract duration of up to 474 consecutive calendar days, with no change to contract amount. (Resolution 18-0147)

d) Approve an increase to the existing construction contract duration contingency of 90 consecutive calendar days for Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 239 calendar days, with no change to the contract amount. (Resolution 18-0148)

On Motion to approve Consent Calendar items 8a through 8d:
Ayes: Kwon, Courtney, Caen and Moran

No public comment.

9. Approve the terms and conditions and authorize the General Manager to execute a five-year lease, with a three-year option to extend the term, with Sea Cliff Fund, LLC, Del Mar SF, LLC, TIC Investments, LLC, and 50 Quint, LLC, together as landlord, for the Wastewater Enterprise to use warehouse space and two adjoining paved areas located at 50 Quint Street in San Francisco, for various Sewer System Improvement Program purposes, for an annual rent of $1.2 million, with annual rent increases based on the Consumer Price Index. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0149)
Michael Carlin, Deputy General Manager, introduced the item and requested approval.

On Motion to approve item 9:
Ayes: Kwon, Courtney, Caen and Moran
No public comment.

10. Approve the plans and specifications, and award Contract No. WW-667, Mariposa Dry Weather Pump Station Improvements, in the amount of

$17,031,000, to the lowest, qualified, responsible and responsive bidder, Western Water Constructors, Inc., to demolish the existing pump station and reconstruct a new Mariposa Pump Station. (Resolution 18-0150)

On Motion to approve item 10:
Ayes: Kwon, Courtney, Caen and Moran

No public comment.

11. Public Comment on matters to be addressed during Closed Session
None.

12. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert attorney-client privilege:
Ayes: Kwon, Courtney, Caen and Moran

The Commission entered Closed Session at 2:41 PM.

13. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation
David Alfaro, et al. v. City and County of San Francisco
San Francisco Superior Court No.: CGC-15-547492
Date Filed: 8/20/15
Proposed settlement of action as to property claims of three of numerous plaintiffs; several co-plaintiffs remain in litigation: (1) Lionel Tan and Dr. Ho T ($245,000); (Resolution 18-0151) and (2) Kwok Shing Hong ($110,796.81) (Resolution 18-0152)

14. Pursuant to Government Code Section 54957 (b)(1) and San Francisco Administrative Code Section 67.10(b), discussion and possible action to conduct Public Employee Performance Evaluation of Harlan L. Kelly, Jr., General Manager of the San Francisco Public Utilities Commission.

The Commission exited Closed Session at 4:02 PM.

15. Announcement Following Closed Session
None.

16. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

On Motion not to disclose:
Ayes: Kwon, Courtney, Caen and Moran

17. Pursuant to Government Code Section 54957(b)(4), discussion and possible action to award a bonus of up to 3% of the General Manager's base salary based on the Commission's evaluation of the General Manager against the Commission-established performance goals for the General Manager for Fiscal Year 17-18, and pursuant to the General Manager's employment contract approved by the Commission on July 25, 2017 and San Francisco Charter Section 8B.126(a).

President Kwon read the following statement: Section 4C of the General Manager's employment contract, which this Commission approved on July 25, 2017, provides that the General Manager is entitled to an annual bonus of up to 3% of his base salary based on this Commission's annual evaluation of his performance. Last July, the Commission adopted performance goals for FY 17-18 with five categories. A copy of those goals was provided as an explanatory document for Item 14 on today's agenda. The employment contract states that the Commission shall assign between 0-20 points for the General Manager's performance on the goals in each of the five categories, and that the General Manager shall be entitled to a bonus based on the sum of all points he receives in all five categories, applied as a percentage of the maximum bonus of 3% of base salary. For example, if the sum of all points in all categories is 80, then the General Manager would receive a bonus calculated at 80% of 3% of his base salary for that year.

He stated the General Manager's base salary for Fiscal Year 17-18 is $366,678 and that the Commission was awarding the General Manager a bonus of $10,175.00.

On Motion to award the General Manager a bonus of $10,175.00:
Ayes: Kwon, Courtney, Caen and Moran

No public comment.

18. Other New Business
None.

19. Adjournment
President Kwon adjourned the meeting at 4:05 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0145**

WHEREAS, Construction has been completed for Contract No. WD-2710, San Francisco Local Water As-Needed Paving 3-Year Contract by the contractor, A. Ruiz Construction Co. & Assoc. Inc.; and

WHEREAS, On June 11, 2013, per Resolution No. 13-0095, this Commission approved the plans and specifications and awarded Water Enterprise Local Conveyance/Distribution System Project and City Distribution Division (CDD) Operating Budget funded Contract No. WD-2710 San Francisco Local Water As-Needed Paving 3-Year Contract, in the amount of $11,292,725, to the lowest, qualified, responsible and responsive bidder, A. Ruiz Construction Co. & Assoc., Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for August 5, 2013; and

WHEREAS, The original contract amount was for $11,292,725 and the original contract duration was three years (1,095 consecutive calendar days); and

WHEREAS, Section 6.22(h)(1) of the Administrative Code requires that any cumulative increase in contract price in excess of 10% of the original contract price be approved by this Commission; and

WHEREAS, Modification No. 1 was issued for $1,128,143 for work exceeding the original projected quantities, increasing the contract amount to $12,068,963; and

WHEREAS, Modification No. 2 was approved by this Commission on March 8, 2016, by Resolution No. 16-0041, to increase the contract amount by $2,500,000 for work exceeding the original projected quantities due to increases in water main breaks, increasing the contract amount to $14,920,868; and

WHEREAS, Modification No. 3 was issued for an addition of 105 consecutive calendar days, extending the total contract duration to 1,200 consecutive calendar days; and

WHEREAS, Modification No. 4 (Final) is being requested to reduce the amount of the contract by $4,107, to adjust the final quantities to reflect the actual work performed, decreasing the contract amount to $14,916,761; and

WHEREAS, The contract work was completed in 1,200 consecutive calendar days on November 17, 2016; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 9% for this contract, the contractor committed to a LBE participation of 9.7% with its bid submittal, and CMD has determined that the contractor made a good faith effort to substantially comply with the LBE subcontracting requirement by receiving a final participation of 5.11%; and

WHEREAS, Funds are available from Project No. CUW280, Water Enterprise Local Conveyance/Distribution System Project and FY 2013-2106 City Distribution Division Operating Budget now, therefore, be it

RESOLVED, That this Commission hereby accepts the work performed by A. Ruiz Construction Co. & Assoc., Inc. for Water Enterprise, Local Conveyance/Distribution System Project and CDD Operating Budget funded Contract No. WD-2710, San Francisco Local Water As-Needed Paving 3-Year Contract; approves Modification No. 4 (Final) decreasing the contract amount by $4,107 for a total contract amount of $14,916,761; and authorizes final payment to the contractor .

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

City and County of San Francisco

RESOLUTION NO. **18-0146**

WHEREAS, Construction has been completed for Contract No. 2737, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets and on Taylor Street from Market to Pine Streets, by the contractor, M Squared Construction, Inc.; and

WHEREAS, On January 12, 2016, per Resolution No. 16-0004, this Commission approved the award of Water Enterprise, Local Conveyance/Distribution System Program funded Contract No. WD-2737, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets and on Taylor Street from Market to Pine Streets, to M Squared Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for April 8, 2016; and

WHEREAS, The original contract amount was for $4,184,725 and the original contract duration was 436 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On September 12, 2017, by Resolution No. 17-0188, the Commission approved Modification No. 1 to increase the contract amount by $172,204 for a total contract amount of $4,356,929, and approve a non-compensable time extension of 203 consecutive calendar days; and

WHEREAS, Because Resolution No. 17-0188 incorrectly stated the original contract duration as 391 consecutive days (rather than 436) and thus incorrectly stated the new total contract duration as 594 consecutive days (rather than 639), the Commission is being asked to ratify a correction to Resolution No. 17-0188 to state the correct total contract duration of 639 consecutive calendar days; and

WHEREAS, Modification No. 2 (Final) is being requested to decrease the contract amount by $2,813, for a total contract amount of $4,354,166, to reflect adjustments in the final quantities of actual quantities of work performed, additional costs associated with street restoration inspection, additional paving and curb ramp construction costs, and miscellaneous work associated with unforeseen conditions, and provide a non-compensable time extension of 43 consecutive calendar days, for total contract duration of 682 consecutive calendar days, to account for delays associated with unforeseen conditions and to allow for asphalt concrete stamping specialty work associated restoring the crosswalks; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20% for this contract, the contractor committed to a LBE participation of 20.74% with its bid submittal, and CMD has determined that the contractor made a good faith effort to substantially comply with the LBE subcontracting requirement by receiving a final participation of 25.49%; and

WHEREAS, Funds are available from Project No. CUW280PR49, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets and on Taylor Street from Market to Pine Streets; now, therefore, be it

RESOLVED, That this Commission hereby ratifies the correction of the total contract duration stated in Resolution No. 17-0188 from 594 consecutive calendar days to 639 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby approves Modification No. 2, decreasing the contract by $2,813, for a total contract amount of $4,354,166, and providing a non-compensable time extension of 43 consecutive calendar days, for a total contract duration of 682 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby accepts the work performed by M Squared Construction, Inc., for Water Enterprise, Local Conveyance/Distribution System Program funded Contract No. WD-2737, 12-Inch Ductile Iron Water Main Replacement on 6th Street from Market to Howard Streets and on Taylor Street from Market to Pine Streets, for a total contract amount of $4,354,166 and a total contract duration of 682 consecutive calendar days; and authorizes final payment to the Contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0147**

WHEREAS, On May 23, 2017, per Resolution No. 17-0116, this Commission approved the award of Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program and San Francisco Public Works (SFPW) Street Resurfacing Program funded Contract No. WW-636, Various Locations Sewer Replacement and Pavement Renovation No. 4, to D'Arcy & Harty Construction, Inc.; and

WHEREAS, On August 8, 2017, per Resolution No. 17-0177, this Commission approved a correction of Resolution No. 17-0116 to state the contract duration as 414 consecutive calendar days, which inadvertently had not been included in Resolution No. 17-0116; and

WHEREAS, The construction contract Notice-to-Proceed date was set for October 23, 2017; and

WHEREAS, The original contract amount was for $5,062,012 and the original contract duration was 414 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, An increase of 19 consecutive calendar days to the existing 41-day contract duration contingency, for a total contract duration contingency of 60 days, is requested for additional time to coordinate utility relocation and final paving operations.; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE subcontracting participation of 28.15% with its bid submittal; and

WHEREAS, Funds are available from SFPUC WWE R&R Project No. 10015676 Various Locations Sewer Replacement No. 4 and SFPW Project No. 10015676 Various Locations Street Resurfacing; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 41-day contract duration contingency in the amount of 19 consecutive calendar days for WWE, R&R Program and SFPW Street Resurfacing Program funded Contract No. WW-636, Various Locations Sewer Replacement and Pavement Renovation No. 4, increasing the total contract duration contingency to 60 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve future modifications to the contract duration up to 474 consecutive calendar days, with no change in the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0148**

WHEREAS, On February 27, 2018, per Resolution No. 18-0032, this Commission approved the award of Wastewater Enterprise (WWE), Capital Improvement Program (CIP) funded Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street, to Azul Works, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was April 19, 2018; and

WHEREAS, The contract amount is for $1,638,000, and the original contract duration was for 135 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, The existing contract duration contingency is 14 consecutive days; and

WHEREAS, An increase of 90 consecutive calendar days to the existing contract duration contingency is requested to address delays to final completion caused by added scope to preserve power for exterior lighting and addition of a gate to secure Quint Street at Jerrold Avenue, challenges with completion of submittals to start work, and challenges with subcontractor crew schedules in the current market; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 30% for this construction contract, and the contractor committed to a LBE participation of 30.52% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain a compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. CWWFAC02, Collection Division Consolidation; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 14-day contract duration contingency in the amount of 90 additional consecutive calendar days for WWE, CIP funded Contract No. WW-659, Greenhouse Demolition at 1150 Phelps Street, for a total contract duration contingency of 104 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve future modifications to the contract duration up to 239 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0149**

WHEREAS, Sea Cliff Fund, LLC, a California limited liability company, Del Mar SF, LLC, a California limited liability company, TIC Investments, LLC, a California limited liability company, and 50 Quint, LLC, a California limited liability company, together as landlord (Landlord), desire to lease to the City and County of San Francisco (City), through the San Francisco Public Utilities Commission (SFPUC), as tenant, the use of a building (Building) consisting of approximately 12,188 square feet of warehouse space, together with two adjoining paved areas, one containing approximately 40,060 square feet and the other containing approximately 23,300 square feet, at 50 Quint Street in San Francisco (together, Premises) at a rental rate of $100,000 per month ($1.2 million annually); and

WHEREAS, The SFPUC seeks to rent the Premises to provide critical space close to the Southeast Pollution Control Plant for displaced Wastewater Enterprise maintenance shops and for construction staging and contractor parking for various Sewer System Improvement Program (SSIP) including the Biosolids Digester Facilities Project and other Wastewater Enterprise capital projects, and, resulting in greatest efficiency and cost savings; and

WHEREAS, The SFPUC obtained a MAI appraisal by Clifford Advisory Services dated August 2018, which states that the fair market rental value of the Premises is $1,236,000 per year ($103,000 per month); and

WHEREAS, The proposed lease of the Premises provides the SFPUC with an opportunity to acquire scarce industrial space in an ideal location, because of the Premises' immediate availability and close proximity to the Southeast Plant; and

WHEREAS, SFPUCdesires to enter into a five-year lease (Lease) with Landlord for the use of Premises a rental rate of $100,000 per month ($1.2 million a year), with automatic annual rent increases based on the Consumer Price Index, and with one option to extend the Lease for three years; and

WHEREAS, Funding is available from SSIP/Wastewater Capital Projects (CIP); and

WHEREAS, On August 8, 2018, the Planning Department determined that the lease of this property is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15301, Class 1 (Existing Facilities); now, therefore, be it

RESOLVED, That this Commission hereby approves the terms and conditions of the Lease; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official in connection with the Lease; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the General Manager of the SFPUC to execute the Lease; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute any amendments or modifications to the Lease, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interest of the City, do not increase the rent or otherwise materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the lease or this resolution, and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0150**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) is undertaking the Mariposa Dry Weather Pump Station and Force Main Improvements Project (Project), which consists of rebuilding the Mariposa Pump Station and reconstructing the Force Main; and

WHEREAS, The Force Main Improvements portion of the Project is being performed under Contract DB-128R2, the Bay Corridor Transmission Distribution Project – Phase 1, which this Commission approved on April 25, 2017 by Resolution 17-0092; and

WHEREAS, To perform the Pump Station portion of the Project, SFPUC advertised Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP)-funded Contract No. WW-667, Mariposa Dry Weather Pump Station, on April 4, 2018; and

WHEREAS, The Engineer's Estimate is $16,400,000 for this construction contract work to demolish the existing pump station and reconstruct the Mariposa Street Wastewater dry weather pump station building, wet-well, electrical services, and the associated appurtenances; and

WHEREAS, The contract duration is seven hundred eighty (780) consecutive calendar days (approximately two years and two months); and

WHEREAS, Five (5) bids were received and opened publicly on June 14, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Western Water Constructors, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, A CMD established a Local Business Enterprise subcontracting requirement of 13% for this contract, and the contractor committed to a LBE subcontracting participation of 23.98% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, On December 12, 2017, by Resolution No. 17-0253, this Commission authorized the General Manager to negotiate and execute a Memorandum of Understanding with the Port of San Francisco to occupy Seawall Lot 345 (SWL-345) to construct, operate, and maintain the Mariposa Pump Station for a term of thirty (30) years and a $502,294 lump sum rental payment to the Port; and

WHEREAS, Funds are available from Project No. CWWSIPCSPS03, Mariposa Dry-Weather Pump Station; and

WHEREAS, On February 2, 2017 the Planning Department determined that the project is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15061(b)(3); now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE, SSIP-funded Contract No. WW-667, Mariposa Dry Weather Pump Station Improvements, in the amount of $17,031,000, and with a duration of 780 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Western Water Constructors, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, September 25, 2018

NOTE DIFFERENT START TIME - 2:00 P.M.

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ ้าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of September 11, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Citizens' Advisory Committee Report (discussion only) (Zock)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Capital Financing Plan Update (Sandler)
   c) Quarterly Budget Status Report (Sandler)
   d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

9. Bay Delta Water Quality Control Plan Update (discussion only) (Ritchie)

10. Bay Area Water Service Conservation Agency Update (discussion only) (Sandlulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

11. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Modification No. 1 to **Job Order Contract (JOC), JOC-64**, General Building (B-License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with Rubecon Builders, Inc., to perform general building construction tasks for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract amount by
180153 $2,500,000, and increasing the contract duration by one year, for a total contract amount of $7,500,000 and a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (How)

b) Award **Agreement No. PRO.0101**, Tunnel Engineering Services for the proposed Folsom Area Stormwater Improvement Project; approve the selection of McMillen Jacobs Associates/Stantec Joint Venture to provide
180154 design services for the proposed tunnel; and authorize the General Manager to negotiate and execute a professional services agreement for a total amount not-to-exceed $5,700,000, with a duration of 18 months. (How)

c) Accept work performed by NTK Construction, Inc. for **Contract No. WD-2654R**, Peninsula Vegetation Removal; approve Modification No.8 (Final),
180155 decreasing the contract amount by $261,774, for a total contract amount of $11,807,189, and increasing the contract duration by 65 consecutive calendar days (approximately three months), for a total contract duration of 815 consecutive calendar days (approximately two years and three months); and authorize final payment to the contractor. (How)

d) Approve an increase to the existing contract duration contingency of an additional 215 consecutive calendar days (approximately seven months) for
180156 **Contract No. WD-2686**, Auxiliary Water Supply System Pumping Station No. 1 Improvements (2014); and authorize the General Manager to approve future modifications to the contract for a total contract duration of up to 1,653 consecutive calendar days (approximately four years and six months), with no change to contract amount. (How)

e) Approve the plans and specifications, and award **Contract No. WW-627R**, Baker Beach Green Streets, in the amount of $7,122,000, with a duration of 530 consecutive calendar days (approximately one year and five months),
180157 to the lowest, qualified, responsible and responsive bidder, Minerva Construction Inc., to construct green infrastructure, replace water and sewer lines, and repave portions of El Camino del Mar, Seacliff Avenue, and 25th Avenue. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

f) Approve an increase to the construction contract duration contingency of 90 consecutive calendar days (three months) to **Contract No. WW-657R**,
180158 Drumm and Jackson Streets Sewer Improvements with Anvil Builders, Inc; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration up to 310 consecutive calendar days (approximately ten months), with no change to the contract amount. (How)

REGULAR SESSION

12. Public Hearing, discussion and possible action to adopt a **100-Year Storm Flood Risk Map** depicting the zones within the City and County of San Francisco that are potentially subject to flooding that is at least six inches deep spanning an area at least the size of half an average City block during a 100-Year Storm; adopt the **Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process** to allow property owners to request review of the inclusion of their specific parcel(s) in the Map's flood risk zone; and delegate authority to the General Manager to make future updates to the Map for certain specified purposes. (Norby)

180159

13. Adopt a resolution to comply with Public Utilities Code Section 8387 determining that the San Francisco Public Utilities Commission owns and operates overhead electrical lines and equipment that present a significant risk of wildfire because they are located in areas the California Public Utilities Commission and United States Forest Service have designated as high fire danger zones; and authorize the development of a **Wildfire Mitigation Plan**. (Ritchie)

180160

14. Approve **Agreement No. CS-1100**, Electric Automated Metering Infrastructure System, with Aclara Technologies LLC for the procurement and installation of the AclaraONE Automated Meter Infrastructure for the San Francisco Public Utilities Commission Power Enterprise; authorize the General Manager to execute this Agreement for a total not-to-exceed amount of $9,993,604, and a contract duration of 10 years. This action constitutes the Approval Action for this Agreement for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Hale)

180161

15. Pursuant to California Government Code Section 54957(b), and San Francisco Administrative Code Section 67.10(b), discussion and possible action to establish **performance goals for Fiscal Year 2018-19 for the General Manager** pursuant to the General Manager's employment contract and San Francisco Charter Section 8B.126(a). (Kwon)

16. Public Comment on matters to be addressed during Closed Session

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.

Case No.: ER15-702-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (discussion only) (Mueller)

Existing Litigation:

City and County of San Francisco v. Pacific Gas & Electric
Federal Energy Regulatory Commission Complaint under Sections 206 and 306
of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

Following Closed Session, the Commission will reconvene in Open Session

24. Announcement Following Closed Session

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

26. Other New Business (discussion only)

27. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

Minutes
Tuesday, September 25, 2018
(Approved October 9, 2018)

NOTE DIFFERENT START TIME
2:00 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   Vice President Courtney called the meeting to order at 2:01 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen, Vietor and Moran

3. Approval of the Minutes of September 11, 2018
   On Motion to approve the Minutes of September 11, 2018:
   Aye: Kwon, Courtney, Caen, Vietor and Moran

   No public comment.

4. General Public Comment
   - *Francisco DaCosta discussed San Francisco watersheds and de-watering, stating they both need more attention.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   None.

7. Citizens' Advisory Committee (CAC) Report
   Amy Zock, CAC Chair provided the CAC's annual report and reviewed the following CAC activities: (1) Annual CAC Leadership Retreat: CAC and Water, Power, Wastewater subcommittee 2018-19 priorities; (2) Highlights of 2017-18 CAC actions: water, wastewater, power, and general; (3) Resolutions and letter adopted by the CAC; (4) Appointments and vacancies; and (5) Collaborations on public meetings.

   Commissioner Vietor thanked Ms. Zock for her assuming the Chair role and for her participation in the CAC.

   No public comment.

8. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
      Barbara Hale, Assistant General Manager (AGM) Power, provided the update: (1) Enrollment and Service to Customers: Currently serving 108,000 accounts; 3.1% opt-out rate; 3.4% SuperGreen upgrade rate; Next enrollment will begin in October; (2) Regulatory: CPSF generation rates absorb certain charges, such as PG&E's exit fee (PCIA), which are set by

the Californian PUC (CPUC). CPUC rulemaking underway for the reconsideration of rate methodology. AGM Hale briefly discussed two proposed decisions that have been put forth for consideration. She stated actions are being taken to convey the SFPUC's preference.

AGM Hale responded to a question from Commissioner Vietor as to how large commercial accounts, e.g. Salesforce, are calculated in the 108,000 service account number.

President Kwon and Commissioner Moran departed the meeting at 2:16 PM.

Public Comment

- *Francisco DaCosta discussed the Raker Act and questioned if the hydroelectricity being produced is fully utilized. He asked how much solar energy is tied to "dirty rats".*

b) Capital Financing Plan Update

Rich Morales, Debt Manager, provided the update: (1) Debt management summary; (2) Enterprise debt overview as of September 1, 2018; (3) Three types of capital financing activities: new money/credit needs; administration of existing debt portfolio; and market opportunities; and (4) FY 2018-19 Capital Financing Plan.

No public comment.

c) Quarterly Budget Status Report

Charles Perl, Acting CFO and AGM Business Services, provided the update: (1) Observations; positive net results projected for all operations; Water, Wastewater, and CPSF higher revenues; Power lower revenues as compared to budget; and financial results meet policy targets for coverage and reserves; (2) FY 2018 Water Budget Variances: increased water sales revenue and cost savings; (3) FY 2018 Wastewater Budget Variances; increased wastewater revenues and cost savings; (4) FY 2018 Power Budget Variances; reduced power sales revenues offset by cost savings; (5) FY 2018 CleanPowerSF Budget Variances; sales revenue above budget and uses cost savings; and (6) Key Financial Ratios.

President Kwon and Commissioner Moran returned to the meeting at 2:27 PM.

No public comment.

d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

General Manager (GM) Kelly, Jr., congratulated President Kwon and Commissioner Moran on their reappointments to the Commission.

No public comment.

9. Bay Delta Water Quality Control Plan Update
Steve Ritchie, AGM Water, provided the update: (1) Agenda review; (2) We must plan for additional supplies.

AGM Ritchie responded to a question from Commissioner Vietor regarding the Public Policy Institute of California report "Managing Drought in a Changing Climate". Commissioner Moran provided additional comment on differing needs of agencies.

(3) How could we make-up the shortfall created by the WQCP; (4) What are "realistic" alternative supplies: active plans that could produce 50MGD in 10-30 years; (5) What are not included as additional supplies.

AGM Ritchie responded to a question from Commissioner Moran as to whether groundwater banking includes any west side opportunities; and a question from Commissioner Vietor regarding the potential costs of alternatives and any impacts to ratepayers.

(6) Sacramento and San Joaquin Rivers and San Joaquin Tributaries; (7) Why does the State Water Board use unimpaired flow; (8) What are our specific concerns with this approach applied to the Tuolumne River; (9) The Lower Tuolumne River – a heavily modified system; (10) What are our specific concerns with this approach applied to the Tuolumne River; (11) Tuolumne River Management Plan; (12) What did the 1995 FERC settlement agreement include; (13) What happened as a result of the 1995 FERC settlement agreement.

AGM Ritchie responded to a question from Commissioner Moran regarding Tuolumne River Technical Advisory Committee plans that were not implemented due to the funding agreement, and who was responsible for the funding.

(14) Conclusions.

Commissioner Moran discussed the letter from the non-governmental organizations (NGO's) regarding areas of difference between the SFPUC and NGO's proposals, noting the biggest differences are with the planning drought and the different approach to unimpaired flows vs. functional flows. AGM Ritchie responded to a question from Commissioner Moran as to whether there were any additional notable differences. Commissioner Moran asked representatives from NGO's to identify differences during their comments.

AGM Ritchie responded to a question from Commissioner Vietor regarding the alternative water supplies slide; why 50 MGD in 10-30 years was used and what can be to ensure supply demand; and peer review data. Brief discussion ensued.

Public Comment

- *Bill Martin, Sierra Club, stated a difference between the NGO's position and the SFPUC position is consideration for the ecosystem. He expressed the need to know the comparison between functional and unimpaired flows.*
- *Ann Clark read from a prepared statement she distributed to the Commission which addressed the need for a grassroots chart about water supply; and the need for the establishment of two bay area water committees.*
- *Barry Nelson, Golden Gate Salmon Association, described the crisis in the salmon industry. He distributed the letter from the NGO's and discussed two areas where progress can be made: (1) Federal Administration's attack on California's Natural Resources; and (2) Peer review process of model vs. approach.*

Mr. Nelson responded to a question from Commissioner Kwon regarding the NGO letter and the differences noted.

AGM Ritchie responded to a question from Commissioner Vietor regarding potential unimpaired flow mandates and planning. Commissioner Moran indicated it would be helpful to have an estimate of the amount of money that may be needed.

- *Chris Gilbert, Sierra Club, distributed a handout from the Public Policy Institute of California titled "Alternative Water Supplies" and discussed water transfers and water studies.*
- *Barry Hermanson, Sierra Club and San Francisco Green Party, expressed disappointment that there isn't more discussion regarding conservation. He discussed his conservation efforts.*
- *Tama Sole', Redwood City, stated there needs to be a reevaluation of contracts and agreements with the Irrigation Districts and agriculture, in general. She addressed the high consumption and waste of food.*
- *Peter Drekmeier, Tuolumne River Trust, stated non-flow measures are a critical component to success. He discussed validity of studies conducted. He distributed a handout of Tuolumne River (flow and diversion).*
- *Spreck Rosekrans, Restore Hetch Hetchy, stated they hold no position on the Bay Delta Plan but expressed concerns with the proposals. He distributed a handout, "Selected Urban Water Supply Investment in California since 1990".*
- *Martin Gothberg noted collaboration is needed and attention needs to be paid to both environmental and water supply needs.*
- *Dave Warner asked that both sides consider incorporating more of each other's view. He discussed MGD requirements and adaptive management.*
- *Eddie Corwin stated the SFPUC needs to be more innovative and forward thinking regarding water supplies, particularly with the wholesale customers. He noted potential opportunities, and discussed climate change and impact on snow pack.*

Commissioner Moran addressed the letter from the NGO's noting it was positive and constructive. He discussed peer review and the need for different scientific opinions. He stated that SFPUC staff must regularly interact with Department of the Interior agencies regarding a variety of work. He discussed the NGO's letter of recommended action and indicated there is a timing issue which must be realized, and that it needs to be figured out where proposals fit within the timeline, and determinations made as to where the SFPUC can and can't be flexible. He discussed the viability of transfers.

10. Bay Area Water Service Conservation Agency (BAWSCA) Update
Nicole Sandkulla, BAWSCA CEO, provided the update. She thanked staff for the August Bay Delta Plan update and provided brief comments. She congratulated staff on the Calaveras Dam Topping-Off ceremony. She stated that BAWSCA's July 2018 potable water use was 17% less than in July 2013.

No public comment.

11. *Consent Calendar:*
    a) Approve Modification No. 1 to Job Order Contract (JOC), JOC-64, General Building (B-License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties with Rubecon Builders, Inc., to perform general building construction tasks for all San Francisco Public Utilities Commission enterprise operations and bureaus, increasing the contract amount by $2,500,000, and increasing the contract duration by one year, for a total contract amount of $7,500,000 and a total contract duration of five years, as allowed for contracts executed under San Francisco Administrative Code Chapter 6.62 Job Order Contracts (f) and (g). (Resolution 18-0153)

    b) Award Agreement No. PRO.0101, Tunnel Engineering Services for the proposed Folsom Area Stormwater Improvement Project; approve the selection of McMillen Jacobs Associates/Stantec Joint Venture to provide design services for the proposed tunnel; and authorize the General Manager to negotiate and execute a professional services agreement for a total amount not-to-exceed $5,700,000, with a duration of 18 months. (Resolution 18-0154)

    c) Accept work performed by NTK Construction, Inc. for Contract No. WD-2654R, Peninsula Vegetation Removal; approve Modification No.8 (Final), decreasing the contract amount by $261,774, for a total contract amount of $11,807,189, and increasing the contract duration by 65 consecutive calendar days, for a total contract duration of 815 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0155)

    d) Approve an increase to the existing contract duration contingency of an additional 215 consecutive calendar days for Contract No. WD-2686, Auxiliary Water Supply System Pumping Station No. 1 Improvements (2014); and authorize the General Manager to approve future modifications

to the contract for a total contract duration of up to 1,653 consecutive calendar days, with no change to contract amount. (Resolution 18-0156)

e) Approve the plans and specifications, and award Contract No. WW-627R, Baker Beach Green Streets, in the amount of $7,122,000, with a duration of 530 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Minerva Construction Inc., to construct green infrastructure, replace water and sewer lines, and repave portions of El Camino del Mar, Seacliff Avenue, and 25th Avenue. (Resolution 18-0157)

f) Approve an increase to the construction contract duration contingency of 90 consecutive calendar days to Contract No. WW-657R, Drumm and Jackson Streets Sewer Improvements with Anvil Builders, Inc; and authorize the General Manager to approve future modifications to the contract for a total revised contract duration up to 310 consecutive calendar days, with no change to the contract amount. (Resolution 18-0158)

On Motion to approve Consent Calendar items 11a through 11f:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

12. Public Hearing, discussion and possible action to adopt a 100-Year Storm Flood Risk Map depicting the zones within the City and County of San Francisco that are potentially subject to flooding that is at least six inches deep spanning an area at least the size of half an average City block during a 100-Year Storm; adopt the Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process to allow property owners to request review of the inclusion of their specific parcel(s) in the Map's flood risk zone; and delegate authority to the General Manager to make future updates to the Map for certain specified purposes. (Resolution 18-0159)

Sara Minick Utility Planning Division Manager presented the Draft 100-Year Storm Flood Risk Map and reviewed the following: (1) Flood resilience strategy for San Francisco: Capital projects to address Level of Service (LOS), Collection System operation and maintenance, and programmatic and legislative strategies (focus of presentation); (2) Draft 100-Year Storm Flood Risk Map: definition and main purpose; (3) Urban Watershed Assessment: key elements; (4) Mapping assumption and methodology: hydraulic and hydrologic models, and Geographic Information System/mapping process; (5) Map Review: Citywide, historic waterways in San Francisco, draft neighborhood map, and on-line searchable map; (6) Resources for the public; (7) Citywide outreach on Draft Flood Map; (8) Parcel review process; and (8) Next steps.

Ms. Minick responded to a question from Commissioner Moran regarding the action being requested by the Commission and the subsequent action to be taken by the Board of Supervisors.

On Motion to approve Item 12:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Public Comment

- *Marilyn Amini provided a handout to the Commission. She discussed her property parcel which is identified as being on the flood zone map. She expressed concerns stating her property sits high, does not meet set criteria, and won't flood. She asked about a review process prior to map adoption.*

GM Kelly responded to a question from Commissioner Vietor regarding how a property owner can remove their property from the flood zone map.

Commissioner Courtney noted the delegation of authority to the GM to remove property from the map. Brief discussion ensued.

Ms. Minick responded to a question from Commissioner Vietor asked where the Urban Watershed Assessment and the Floodways link can be located. Ms. Minick reviewed outreach efforts that were taken.

13. Adopt a resolution to comply with Public Utilities Code Section 8387 determining that the San Francisco Public Utilities Commission owns and operates overhead electrical lines and equipment that present a significant risk of wildfire because they are located in areas the California Public Utilities Commission and United States Forest Service have designated as high fire danger zones; and authorize the development of a Wildfire Mitigation Plan. (Resolution 18-0160)

On Motion to approve Item 13:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

14. Approve Agreement No. CS-1100, Electric Automated Metering Infrastructure System, with Aclara Technologies LLC for the procurement and installation of the AclaraONE Automated Meter Infrastructure (AMI) for the San Francisco Public Utilities Commission Power Enterprise; authorize the General Manager to execute this Agreement for a total not-to-exceed amount of $9,993,604, and a contract duration of 10 years. (Resolution 18-0161)

On Motion to approve Item 14:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

15. Pursuant to California Government Code Section 54957(b), and San Francisco Administrative Code Section 67.10(b), discussion and possible action to establish performance goals for Fiscal Year 2018-19 for the General Manager

pursuant to the General Manager's employment contract and San Francisco Charter Section 8B.126(a).

Commissioner Moran questioned the performance goal for water capital projects implementation - groundwater and recycled water projects Goals 5.5.2.and 5.5.3 which have a timeline of "on-going". He requested a more definitive target date.

Commissioner Moran questioned Goal 5.7, CleanPowerSF, which references a goal, "...eligible customers...or a portion thereof". He requested that a clear target be provided.

Commissioner Courtney discussed Workforce Development Policy Goal 2.6, noting the October target date cannot be met due to outstanding factors. He requested the target be moved to January 2019. He indicated he will be submitting an attachment through the President.

GM Kelly responded to a question from Commissioner Caen regarding bottling of Hetch Hetchy Water, Goal 5.3.1.

On Motion to approve Item 15:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

No public comment.

The Commission Secretary read the Closed Session items.

16. Public Comment on matters to be addressed during Closed Session
None.

17. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel
On Motion to assert attorney-client privilege:
Ayes: Kwon, Courtney, Caen, Vietor and Moran

Commissioner Vietor was excused at 4:43 PM.

The Commission entered Closed Session at 4:43PM.

18. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Tariff Withdrawal per 35.15: Notice of Termination of the 1987 CCSF Interconnection Agreement – PG&E Rate Schedule FERC No. 114 to be effective 6/30/15.

Case No.: ER15-702-000/Date Filed: December 23, 2014

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Tariff Withdrawal per 35.15: Notice of Termination of The CCSF Facilities Charge Agreement for Moscone to be effective 6/30/15.
Case No.: ER15-703-000/Date Filed December 23, 2014

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Transmission Owner Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-705-000/Date Filed: December 23, 2014

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
§205(d) rate filing per 35.13 (a)(2)(iii): City and County of San Francisco Wholesale Distribution Tariff Replacement Agreements to be effective 7/1/15
Case No.: ER15-704-000/Date Filed: December 23, 2014

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Pacific Gas & Electric
Federal Energy Regulatory Commission
Notice of Termination of Facilities Charge Agreements between PG&E and the City and County of San Francisco
Case No.: ER15-735-000/Date Filed: December 23, 2014

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
City and County of San Francisco v. Pacific Gas & Electric

Federal Energy Regulatory Commission Complaint under Sections 206 and 306
of the Federal Power Act.
Case No.: EL15-3-000/Date Filed: October 9, 2014

The Commission exited Closed Session at 4:56 PM.

24. Announcement Following Closed Session
None.

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

On Motion not to disclose:
Ayes: Kwon, Courtney, Caen and Moran

26. Other New Business
None.

27. Adjournment
Vice President Kwon adjourned the meeting at 4:57 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0153

WHEREAS, On September 13, 2016, per Resolution No.16-0178, this Commission approved the award of Job Order Contract (JOC) No. JOC-64, General Building (B- License), San Francisco, San Mateo, Santa Clara, and Alameda Counties to Rubecon Builders, Inc.; and

WHEREAS, The Notice-to-Proceed date was set for February 23, 2017; and

WHEREAS, The original contract amount was for $5,000,000 and the original contract duration was four (4) years; and

WHEREAS, Modification No. 1 is being requested to complete ongoing facility improvements such as roofing, carpentry, plumbing and electrical work for San Francisco Public Utilities Commission's (SFPUC) Operations and Bureaus, increasing the contract amount by $2,500,000, and increasing the contract duration by one year, for a total contract value of $7,500,000 and a total of five years; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor has committed to a LBE subcontracting participation of 28.50% with its bid submittal; and

WHEREAS, Funds are available from SFPUC Enterprise funds; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 1 to JOC No. JOC-64, General Building (B-License), San Francisco, San Mateo, Santa Clara, and Alameda Counties with Rubecon Builders, Inc., to accomplish general building construction work for all SFPUC Enterprise Operations and Bureaus, increasing the contract amount by $2,500,000 and increasing the contract duration by one year, for a total contract value of $7,500,000 and a total contract duration of five years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0154**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires the assistance of a professional engineering firm to perform tunnel engineering services for a proposed Folsom Area Stormwater Improvement Project (Project); and

WHEREAS, It is necessary to procure the services of a qualified professional engineering firm to provide specialized tunnel engineering services to supplement SFPUC staff for this proposed Project; and

WHEREAS, The estimated cost of services is $5,700,000; and

WHEREAS, The Request for Proposals was advertised on March 26, 2018; and

WHEREAS, Services are anticipated to begin in September 2018 and end in March 2020 and the duration of this agreement is 18 months; and

WHEREAS, SFPUC and Contract Monitoring Division (CMD) staff, upon review of the scores, have determined that McMillen Jacobs Associates/Stantec Joint Venture is the highest-ranking firm based on the established scoring criteria; and

WHEREAS, CMD established an 8% Local Business Enterprise (LBE) subconsultant participation requirement on this project and McMillen Jacobs Associates/Stantec JV committed to LBE subconsultant participation of 8.6%; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for Agreement No. PRO.0101, Tunnel Engineering Services for the Folsom Area Stormwater Improvement Project are available from SSIP-Funded Capital Project CWWSIPFCDB14 – Folsom Area Stormwater Improvement Project; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of McMillen Jacobs Associates/Stantec Joint Venture and awards SSIP-funded Agreement No. PRO.0101, Tunnel Engineering Services for the Folsom Area Stormwater Improvement Project, and authorizes the General Manager of the SFPUC to negotiate and execute a professional services agreement for a total amount not to exceed $5,700,000 and with a duration of 18 months, or, in the event negotiations are not successful or City requirements are not satisfied, to negotiate and execute a professional services agreement with the next highest ranked proposer.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0155**

WHEREAS, Construction has been completed for Contract No. WD-2654R, Peninsula Vegetation Removal, by the contractor, NTK Construction, Inc.; and

WHEREAS, On October 27, 2015, by Resolution No. 15-0217, this Commission awarded Water Enterprise, Water System Improvement Program (WSIP) funded Contract No. WD-2654R – Peninsula Vegetation Removal in the amount of $11,062,544, to the lowest, qualified responsible and responsive bidder, NTK Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for February 1, 2016; and

WHEREAS, The original contract amount was $11,062,544 and the original duration was 750 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On July 25, 2017, by Resolution No. 17-0168, this Commission approved a $500,000 increase to the contingency, increasing the total contract contingency to 1,606,254 and the maximum contract limit to $12,668,798; and

WHEREAS, Modification Nos. 1 through 7 were issued to provide air monitoring and watering when working with soils containing naturally occurring asbestos, additional soil disposal, additional tree removal, and additional paving of Sawyer Camp Trail, which resulted in a cumulative increase of $1,006,419, increasing the total contract amount to $12,068,963; and

WHEREAS, Modification No. 8 (Final) is being requested to reduce the contract amount by $261,774, for a total contract cost of $11,807,189, to increase the contract duration by 65 consecutive calendar days, extending the contract duration to a total of 815 consecutive calendar days; and

WHEREAS, The contract work was completed in 815 consecutive calendar days on April 26, 2018; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontractor participation goal of 11% for this contract, the contractor committed to a LBE participation of 11.5% with its bid submittal, and CMD determined that the contractor made a good faith effort to comply with its LBE subcontracting goal by achieving a final LBE participation of 13.46%; and

WHEREAS, Funds are available from Project No. CUW38802 - Bioregional Habitat Restoration; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by NTK Construction, Inc. for Water Enterprise, WSIP-funded Contract No. WD-2654R, Peninsula Vegetation Removal; approves Modification No. 8 (Final) decreasing the contract amount by $261,744 and extending the duration by 65 consecutive calendar days, for a total contract amount of $11,807,189 and a total contract duration of 815 consecutive calendar days; and authorizes final payment to the Contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0156**

WHEREAS, On August 12, 2014, per Resolution No. 14-0124, this Commission approved the award of Earthquake Safety & Emergency Response Bond Program funded Contract No. WD-2686, Auxiliary Water Supply System Pumping Station No. 1 Improvements (2014), to NTK Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was October 20, 2014; and

WHEREAS, The original contract amount was for $7,847,000, and the original contract duration was 580 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On January 12, 2016, per Resolution No. 16-0003, this Commission approved an increase to contract cost contingency in the amount of $600,000, and an increase to the contract duration contingency in the amount of 72 consecutive calendar days, to install new fuel piping in Pumping Station 1 and perform structural work and materials sampling in adjacent PS1 tunnel, increasing the cost contingency to $1,384,700 and the duration contingency to 130 consecutive calendar days, for a total contract amount of up to $9,231,700 and a total contract duration of up to 710 consecutive calendar days; and

WHEREAS, On May 23, 2017, per Resolution No. 17-0113, this Commission approved an increase to the contract cost contingency in the amount of $1,500,000, and an increase to the contract duration contingency of 548 consecutive calendar days, to resolve engine exhaust system issues in Pumping Station 1, increasing the cost contingency to $2,884,700 and the contract duration contingency to 678 consecutive calendar days, for a total contract amount of up to $10,731,700 and a total contract duration of up to 1,258 consecutive calendar days; and

WHEREAS, On February 13, 2018, per Resolution No. 18-0019, this Commission approved an increase to the contract duration contingency in the amount of 180 consecutive calendar days, with no change to the contract cost contingency, to install carbon monoxide monitoring systems in Pumping Station 1, increasing the duration contingency to 858 consecutive calendar days, for a total contract duration up to 1,438 consecutive calendar days; and

WHEREAS, An increase to the existing 858 day duration contingency in the amount of an additional 215 consecutive calendar days is requested to install flow switches in Pumping Station No. 1, subject to the subsequent authorization of modifications by the General Manager of the San Francisco Public Utilities Commission, if appropriate; and

WHEREAS, The Contract Monitoring Division originally established a Local Business Enterprise (LBE) subcontracting requirement of 16% for this construction contract, and the contractor committed to a LBE subcontracting participation of 19.22% with its bid submittal; and

WHEREAS, Funds are available from Project 10029710 - Pumping Station No.1; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase in the contract duration contingency in the amount of 215 consecutive calendar days for the Earthquake Safety & Emergency Response Bond Program funded Contract WD-2686, Auxiliary Water Supply System Pumping Station No. 1 Improvements (2014), for a total contract duration contingency of 1,073 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve any future modifications to the contract for a total contract duration up to 1,653 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0157**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-627R, Baker Beach Green Streets, on July 6, 2018; and

WHEREAS, The purpose of the Baker Beach Green Streets Early Implementation Project is to reduce the volume of stormwater entering the combined sewer system by installing green infrastructure; and

WHEREAS, The Engineer's Estimate is $6,961,085 for this construction contract work; and

WHEREAS, The contract duration is 530 consecutive calendar days; and

WHEREAS, Four (4) bids were received and opened publicly on August 2, 2018; and

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Minerva Construction Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, The CMD established a Local Business Enterprise (LBE) subcontracting participation of 20% established for this contract, and the contractor committed to a LBE participation of 20.49% with its submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, SFPUC funds are available from Sewer System Improvement Program Project No. CWWSIPFCDB05, Baker Beach Green Streets in the amount of $6,722,428, and from Project No. CWWSIPCSSR12, SFPUC-SSIP Sewer in the amount of $238,512; and

WHEREAS, Additional funds are being provided by San Francisco Public Works in the amount of $161,060 for street paving; and

WHEREAS, On June 4, 2015 the Planning Department determined that this project is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15301 (Existing Facilities), Class 1; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards WWE, SSIP funded Contract No. WW-627R, Baker Beach Green Streets, in the amount of $7,122,000, with a duration of 530 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Minerva Construction Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0158**

WHEREAS, On January 9, 2018, per Resolution No. 18-0006, this Commission approved the award of Sewer System Improvement Program (SSIP) funded Contract No. WW-657R, Drumm and Jackson Streets Sewer Improvements, to Anvil Builders, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for March 19, 2018; and

WHEREAS, The original contract amount was for $5,240,900 and the original contract duration was 200 consecutive calendar days to final completion; and

WHEREAS, An increase to the existing 20-day contract duration contingency in the amount of 90 consecutive calendar days is requested for additional time to allow the contractor to complete contract work and for staff to negotiate potential change order requests, for a total contract duration contingency of 110 days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this contract and the contractor is committed to the LBE participation of 10.11% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWSIPCSSR09, Drumm and Jackson Streets Sewer Improvement; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the contract duration contingency in the amount of 90 consecutive calendar days for SSIP funded Contract No. WW-657R, Drumm and Jackson Streets Sewer Improvements, with Anvil Builders, Inc., for a total contract duration contingency of 110 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve any future modifications to the contract duration for a total contract duration up to 310 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Wood

Secretary, Public Utilities Commission

Glenn Stock

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0159**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) has developed a 100-Year Storm Flood Risk Map (Map) that shows the areas of San Francisco where significant flooding from storm runoff is highly likely to occur during a 100-year storm, which is a storm that has a 1% chance of occurring in any given year; and

WHEREAS, The SFPUC used hydrologic and hydraulic (H&H) computer modeling that simulates flooding occurring Citywide under a 100-year storm to identify the 100-Year Storm Flood Risk Zones depicted on the Map; and

WHEREAS, Parcels within the 100-Year Storm Flood Risk Zones are highly likely to experience "deep and contiguous" flooding during a 100-year storm, which means flooding that is at least six inches deep spanning an area at least the size of half an average City block; and

WHEREAS, The purpose of the Map is to inform existing and future property owners about flood risk on their properties so that property owners may take steps to protect their property from stormwater flood risk; and

WHEREAS, The City is also considering introducing legislation at the Board of Supervisors which would require sellers and lessors to disclose to buyers and tenants if a property is located within the 100-Year Storm Flood Risk Zone; and

WHEREAS, In May 2018, SFPUC sent a letter to every owner of parcels located in the 100-Year Storm Flood Risk Zones along with a copy of the Draft Map, flood insurance information, web links to SFPUC resources, and information on SFPUC public availability sessions regarding the Draft Map; and

WHEREAS, In June 2018, the SFPUC hosted several public availability sessions to engage with the public, answer questions, and provide information on flood resiliency and on July 25, 2018, this Commission held a public hearing to discuss the draft version of the Map; and

WHEREAS, SFPUC staff has developed Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process setting forth a process by which staff will review individual parcels and, if justified based on specified criteria, remove parcels from the 100-Year Storm Flood Risk Zones shown on the Map; now, therefore, be it

RESOLVED, That this Commission adopts the 100-Year Storm Flood Risk Map dated September 25, 2018, a copy of which is attached hereto; and be it

FURTHER RESOLVED, That this Commission adopts the Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process, a copy of which is attached hereto, and directs staff to publish, and periodically update, on the SFPUC website a list of any and all parcels that are removed from the Flood Risk Zone pursuant to this Review Process; and be it

FURTHER RESOLVED, That this Commission delegates to the General Manager or his designee the authority to update the Map (1) on an annual basis no later than July 1st of each year to reflect the removal of any parcels from the Flood Risk Zone pursuant to the Parcel Review Process, and (2) on an as-needed basis to reflect updates to the hydrologic and hydraulic computer model, provided that staff shall provide written notice to any parcel owners impacted by such revisions to the Map; and be it

FURTHER RESOLVED, That this Commission requires the General Manager return to this Commission for approval of any other changes to the Map that are not otherwise delegated to the General Manager in the foregoing clause.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0160**

WHEREAS, Senate Bill 1028, adopted in 2016 and codified as Public Utilities Code §§ 8385-8387, requires the San Francisco Public Utilities Commission (SFPUC) to "construct, maintain, and operate its electrical lines and equipment in a manner that will minimize the risk of catastrophic wildfire posed by those electrical lines and equipment." § 8387(a); and

WHEREAS, Public Utilities Code § 8387(b), requires SFPUC to "determine whether any of its lines and equipment are located in an "area that has a significant risk of catastrophic wildfire resulting from those electrical lines and equipment"; and

WHEREAS, Public Utilities Code § 8387(c) requires that if the SFPUC finds that it has facilities in such an area, it must adopt mitigation measures to reduce the risk; and

WHEREAS, The SFPUC owns and operates overhead electrical lines and equipment that present a significant risk of wildfire because they are located in areas the CPUC and United States Forest Service (USFS) have designated as high fire danger zones; and

WHEREAS, Staff is developing a Wildfire Mitigation Plan based on the requirements of SB 1028, risk of catastrophic wildfires, and potential mitigation measures. Staff will present the Wildfire Management Plan to the Commission for approval at the December 11, 2018 Commission Meeting, and annually thereafter as required by law; now, therefore, be it

RESOLVED, That the Commission finds that SFPUC owns and operates overhead electrical lines and equipment that present a significant risk of wildfire because they are located in areas the CPUC and United States Forest Service have designated as high fire danger zones; and be it

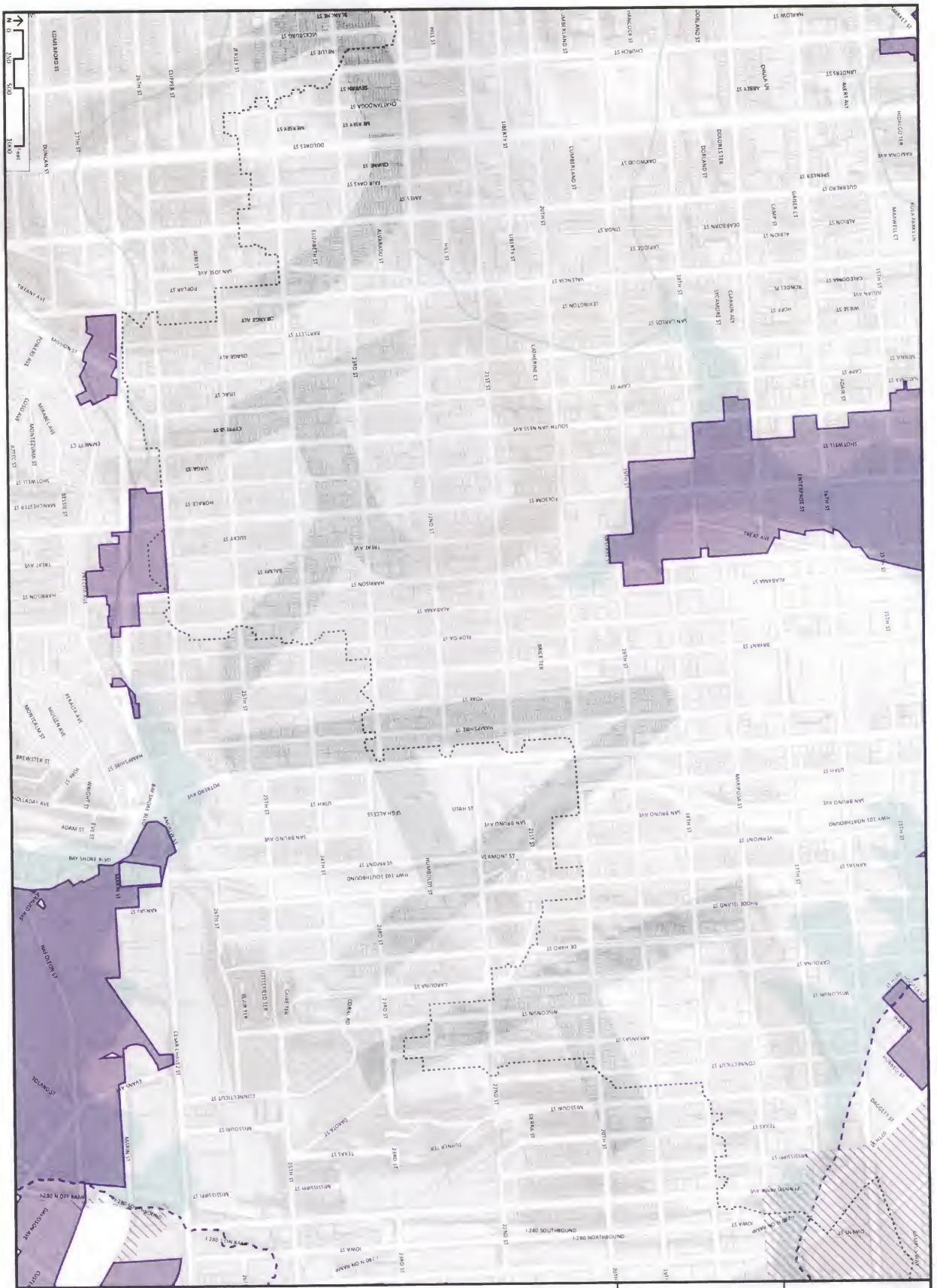
FURTHER RESOLVED, That the Commission approves the development of a Wildfire Mitigation Plan to be presented for adoption at the December 11, 2018 Commission meeting, and annually thereafter, as required by law.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Stock



DRAFT 100-YEAR STORM FLOOD RISK MAP - Mission 2 of 2 **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

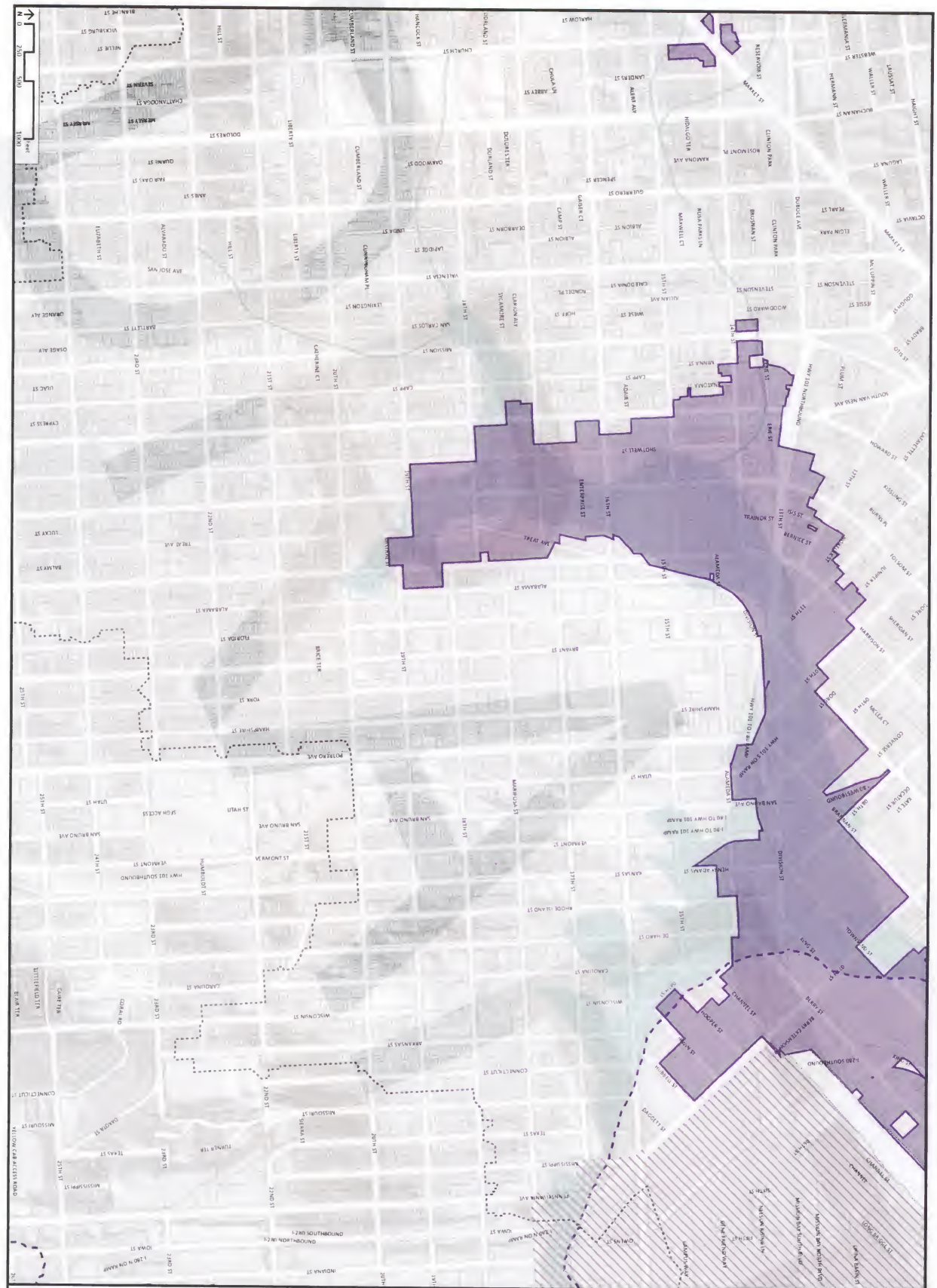
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.org/sea-level-rise-publications) and the FEMA Preliminary Flood Insurance Rate Maps (http://www.sfgov.org/sfpuc/flood_insurance_rate_map_update_program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Mission 1 of 2

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

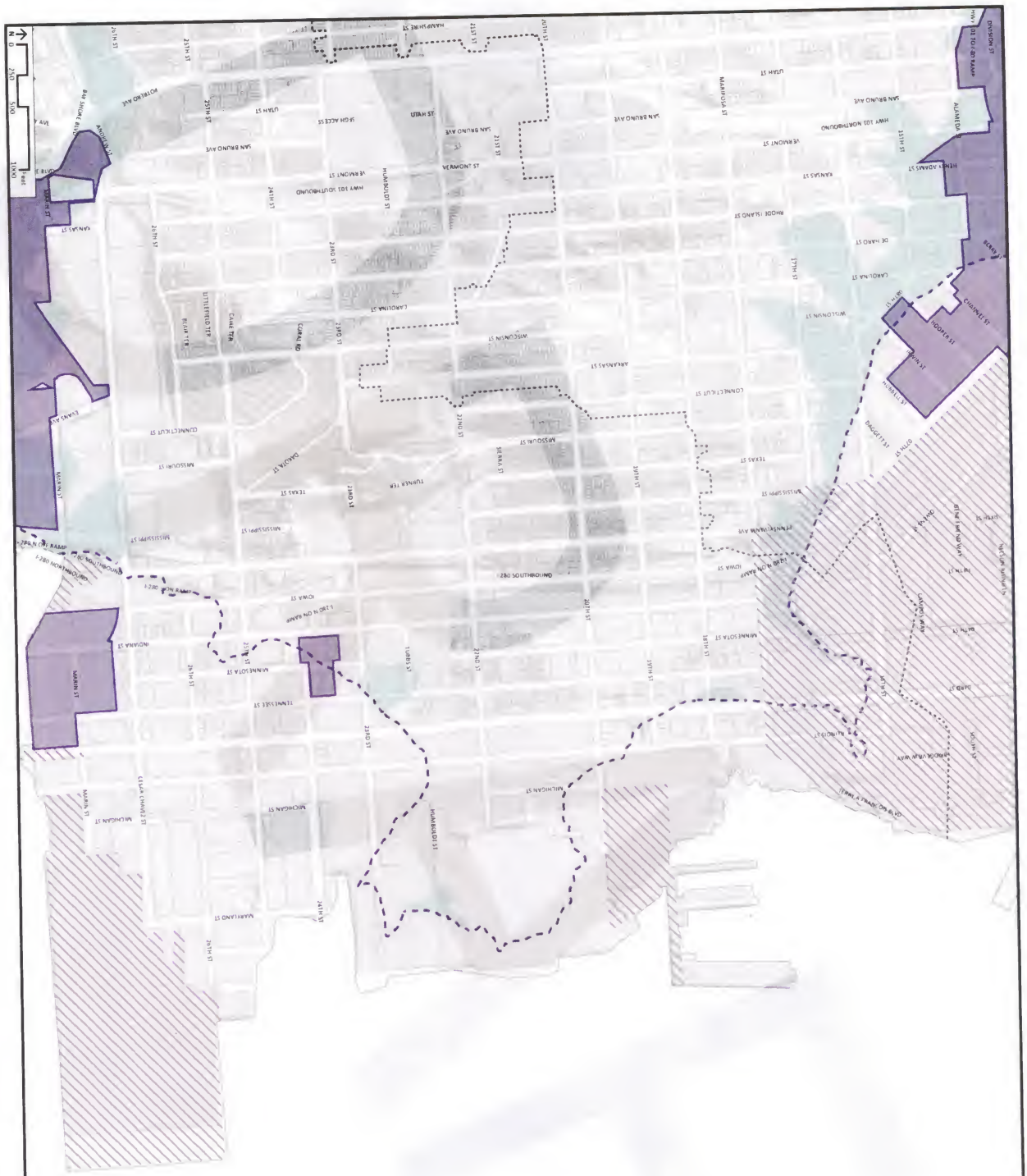
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://[illegible]sea-level-rise-portal/) and the FEMA Preliminary Flood Insurance Rate Maps (http://[illegible]).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Potrero Hill

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

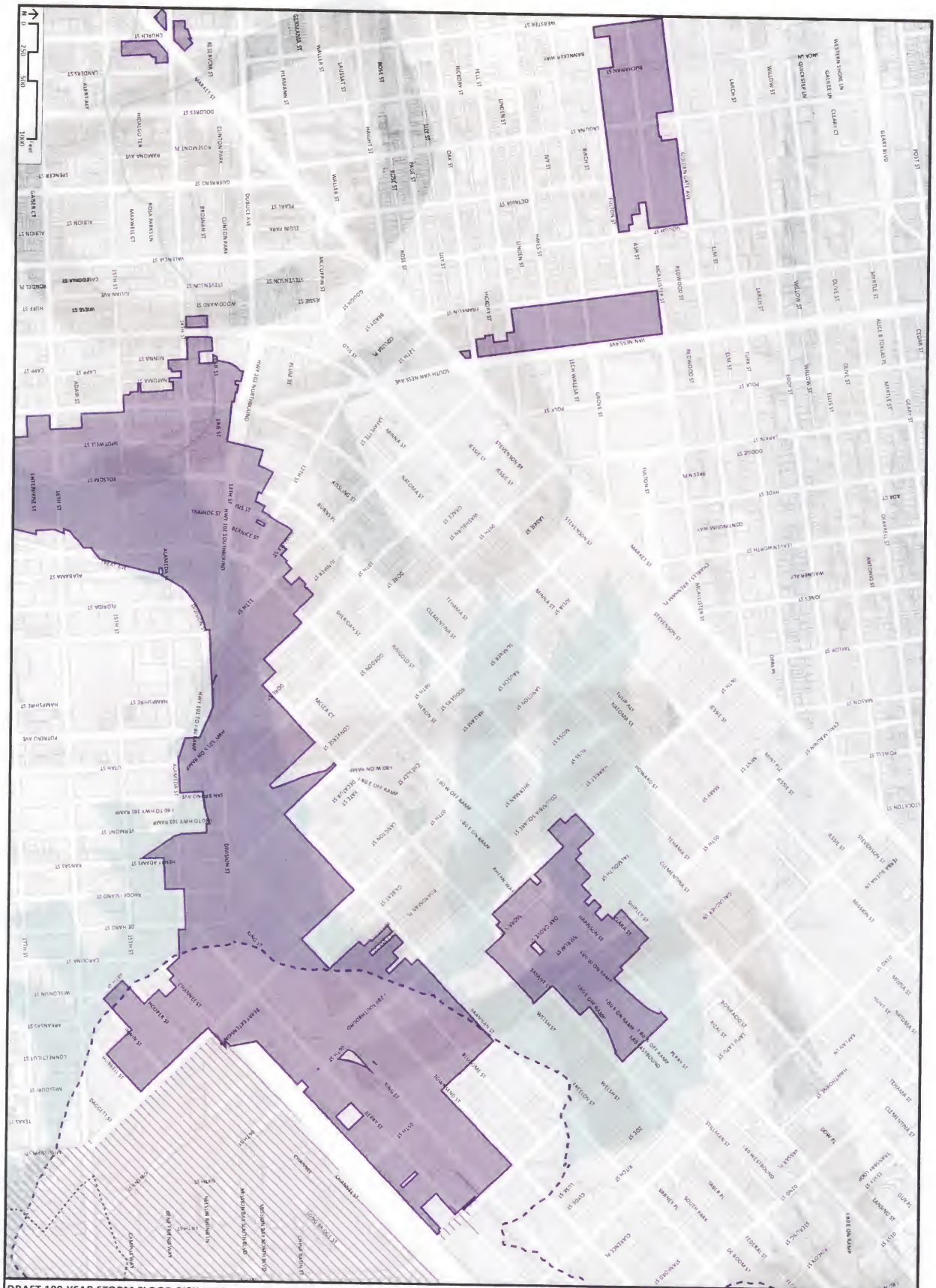
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LIDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (https://sfgsa.org/sea-level-rise-vulnerability-zone) and the FEMA Preliminary Flood Insurance Rate Maps (https://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - South of Market

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

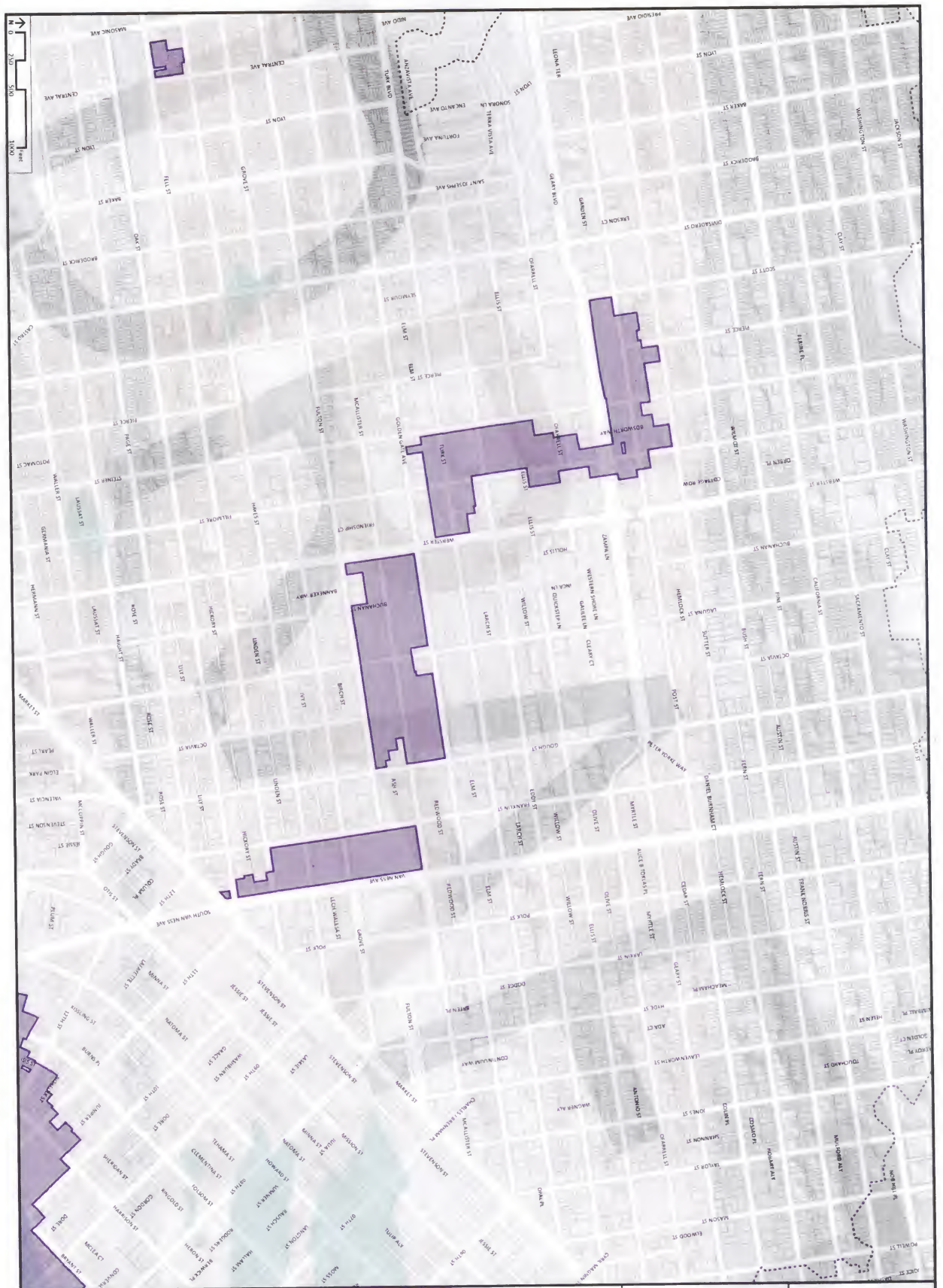
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://[illegible]) and the FEMA Preliminary Flood Insurance Rate Maps (http://[illegible]).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Civic Center, Western Addition

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

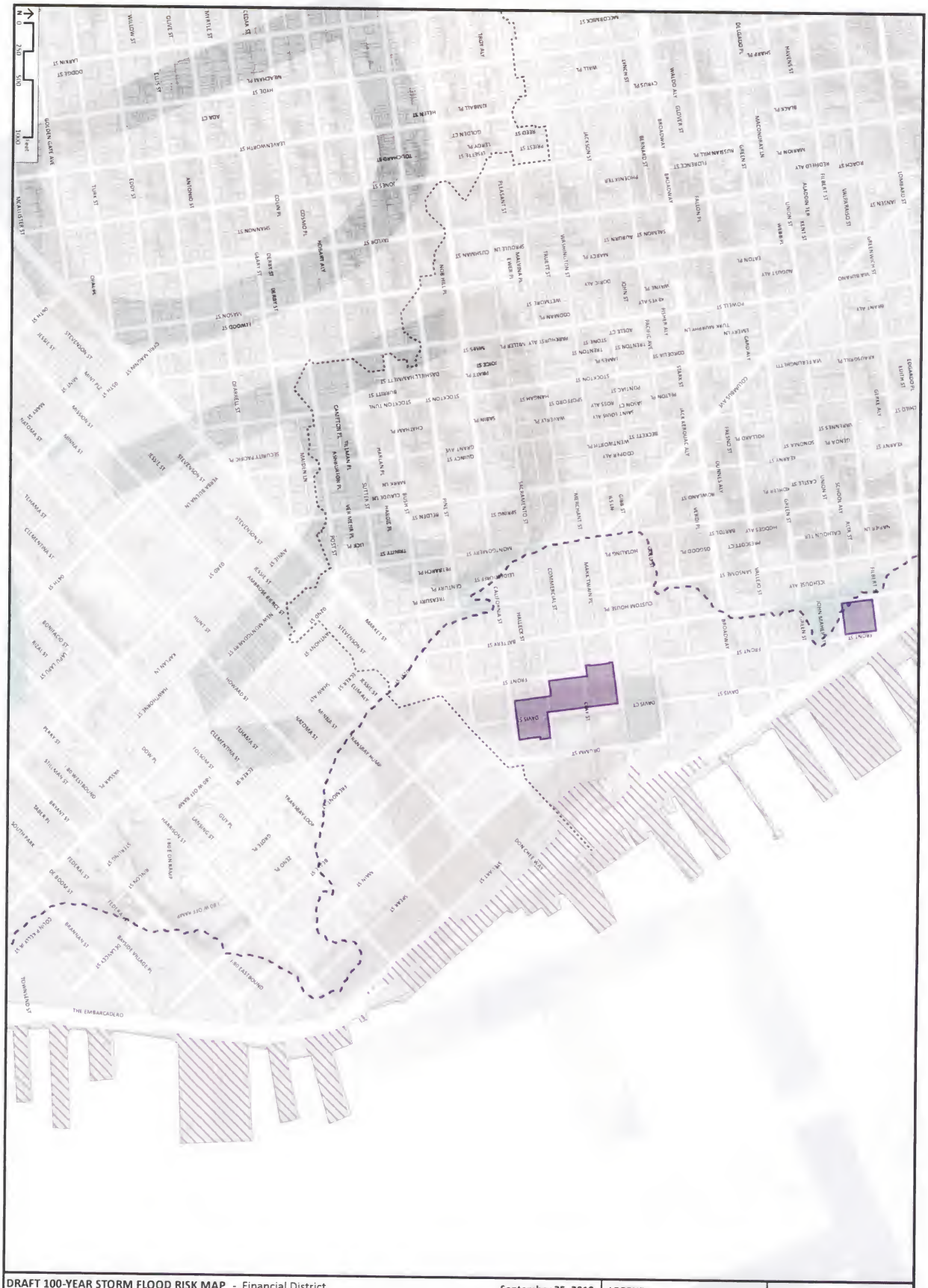
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.sfgov.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (https://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Financial District

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

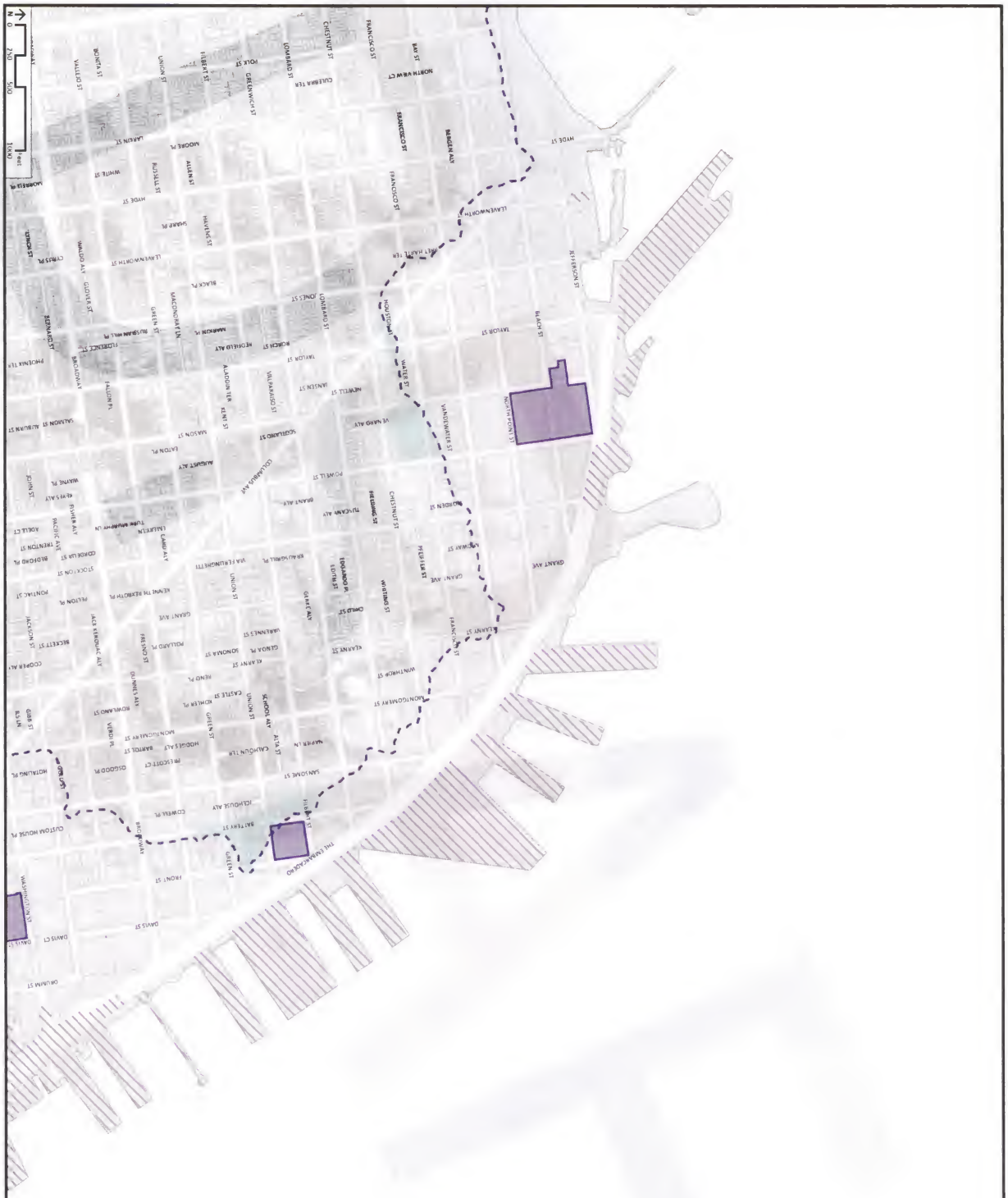
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://onesanfrancisco.org/sea-level-rise-vulnerability) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/sea-level-rise-vulnerability-and-flood-risk-management-program).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - North Beach **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://onesanfrancisco.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/sf-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Marina

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

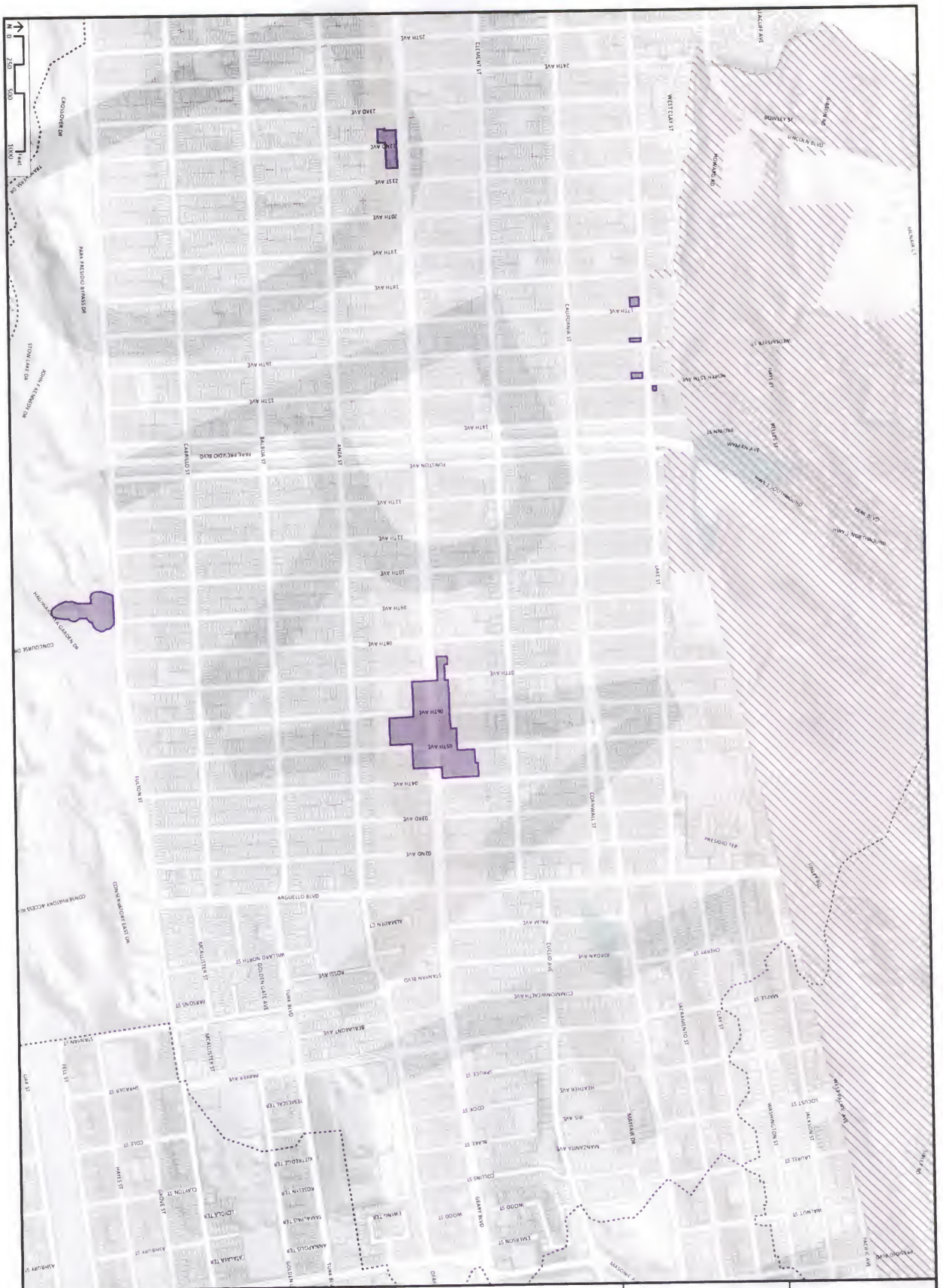
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LIDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Inner Richmond

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/sea-level-rise-flood-risk-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Golden Gate Park 2 of 2

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://www.sfmta.com/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Golden Gate Park 1 of 2 **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

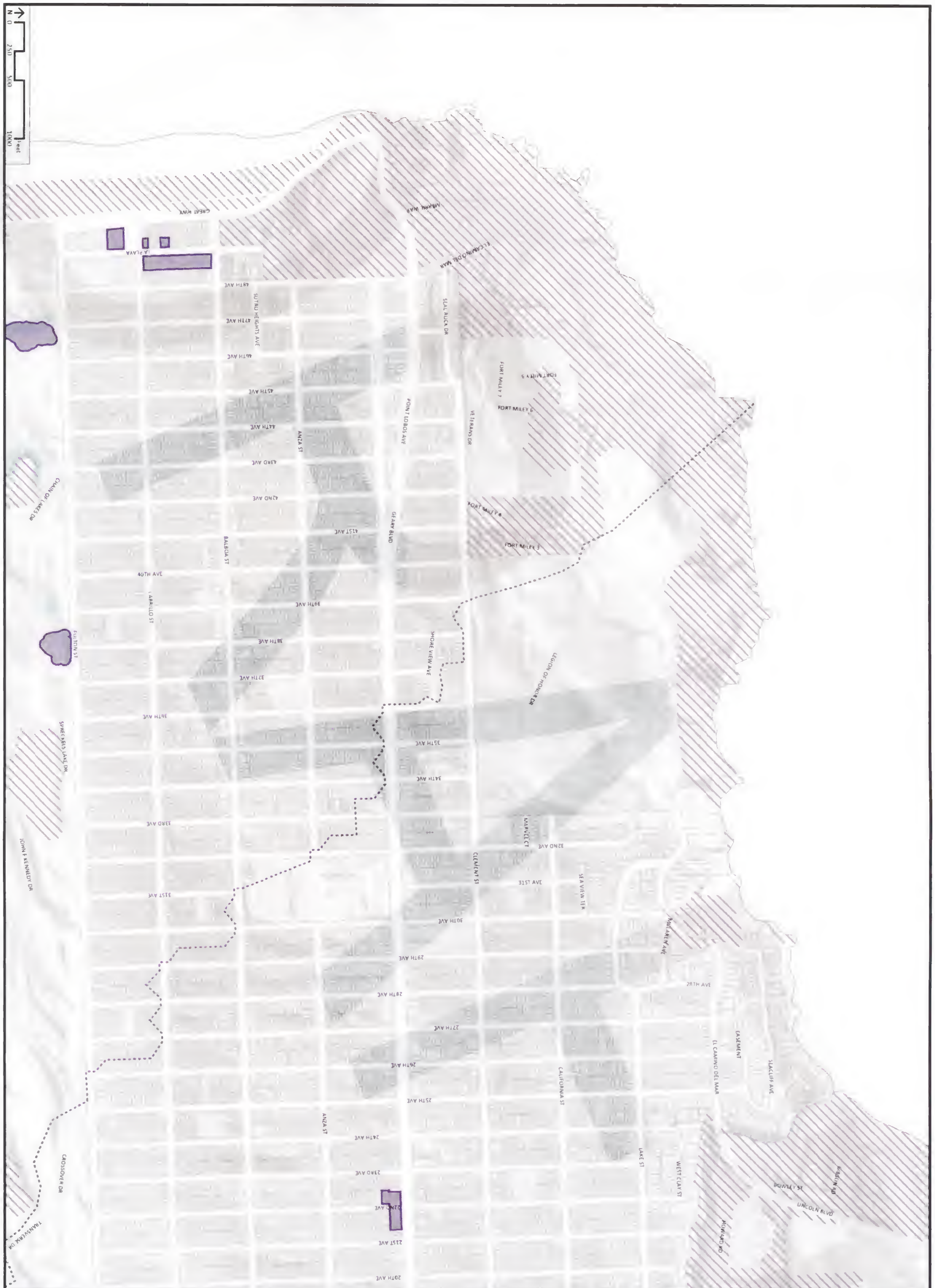
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.org/sea-level-rise-publications) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/sea-level-rise/flood-risk-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Outer Richmond, Seacliff **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Lakeshore 2 of 2 **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

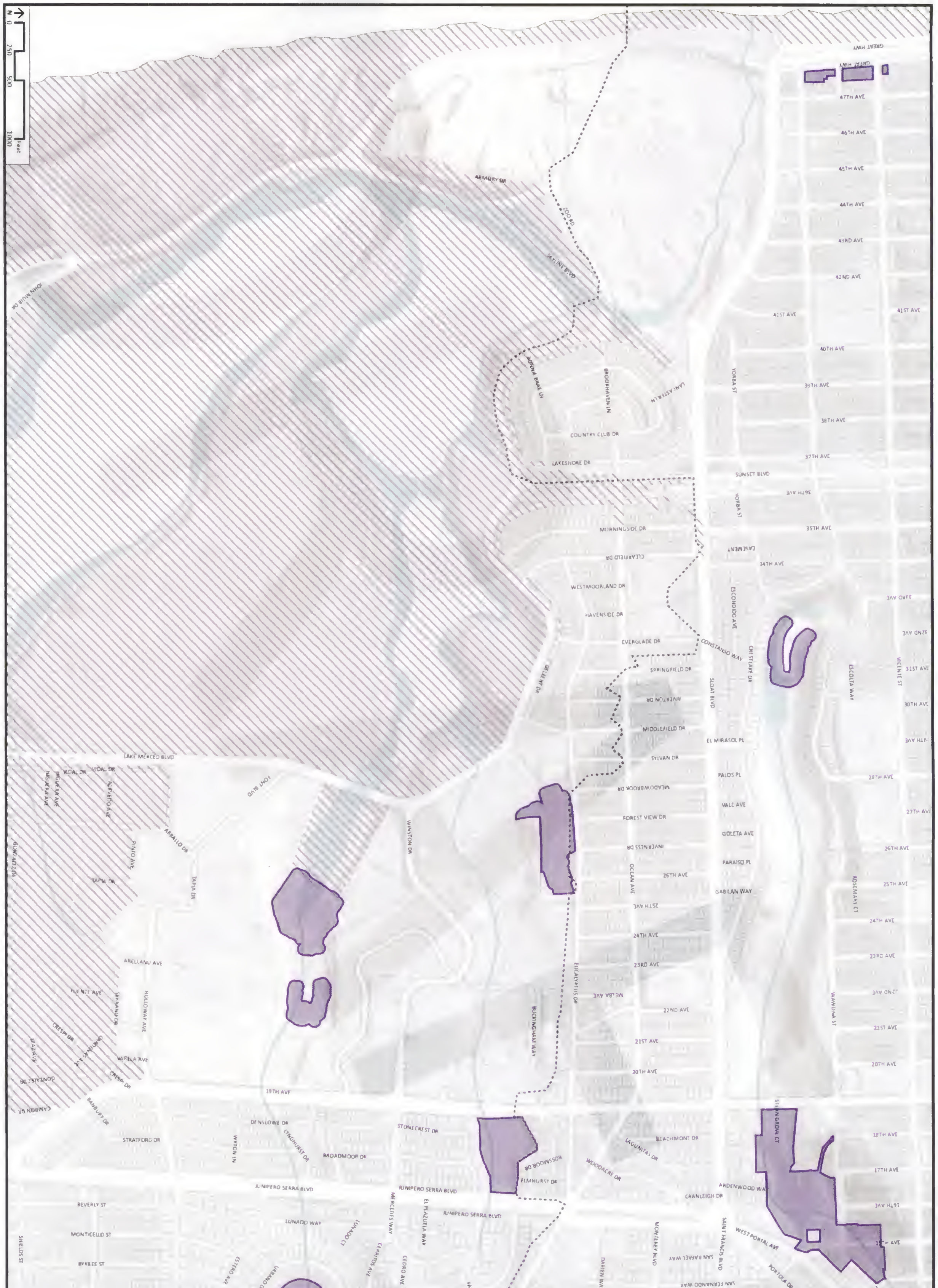
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfplanning.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/fema-flood-zone-preliminary-firm-panels).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Lakeshore 1 of 2

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

100-Year Storm Flood Risk Zone

Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.

Watershed Boundaries

Historical Shoreline

Historical Creeks and Waterbodies

Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Parkside

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

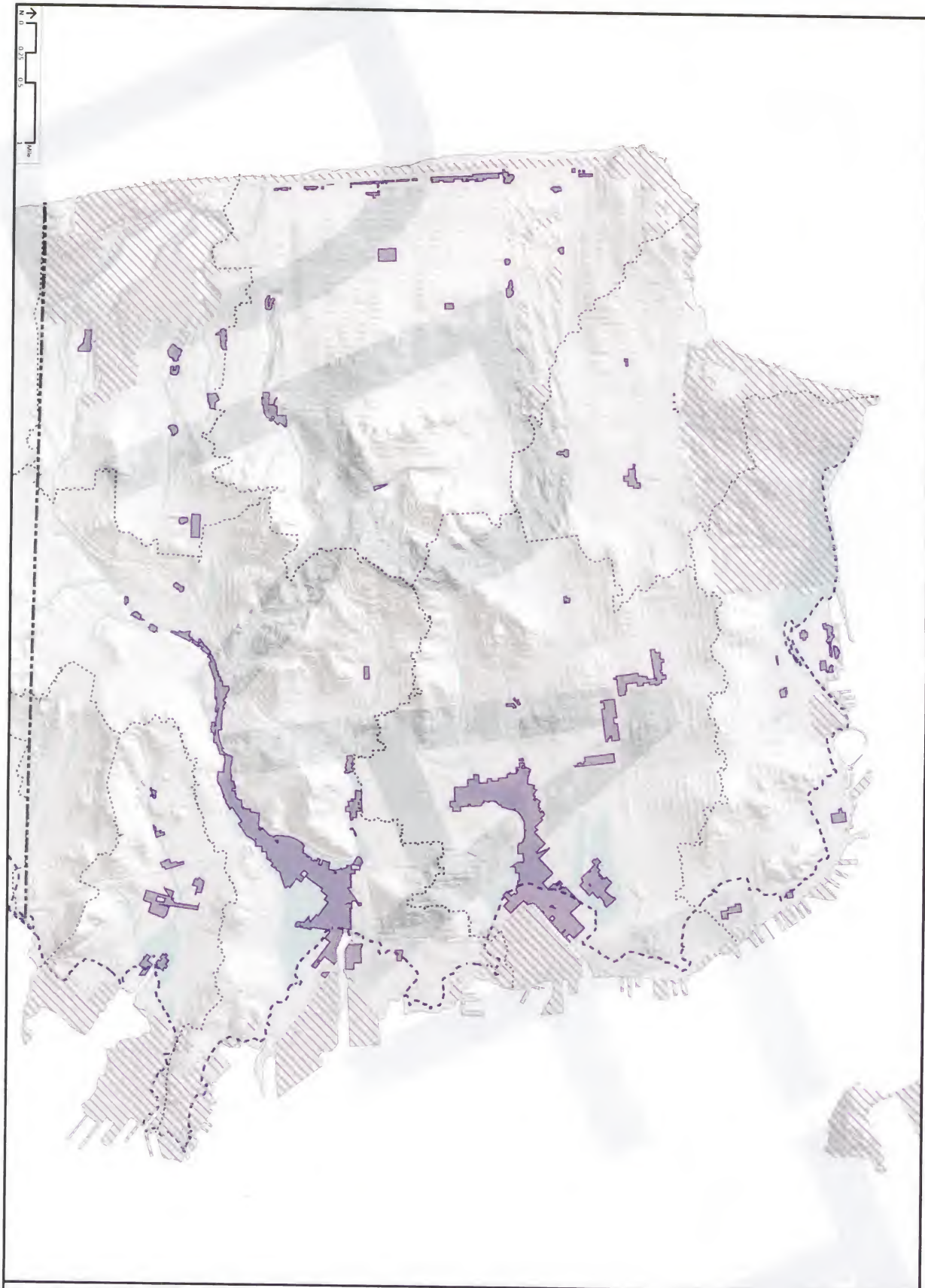
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://onesanfrancisco.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies

DRAFT 100-YEAR STORM FLOOD RISK MAP - Haight Ashbury, Castro/Upper Market **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

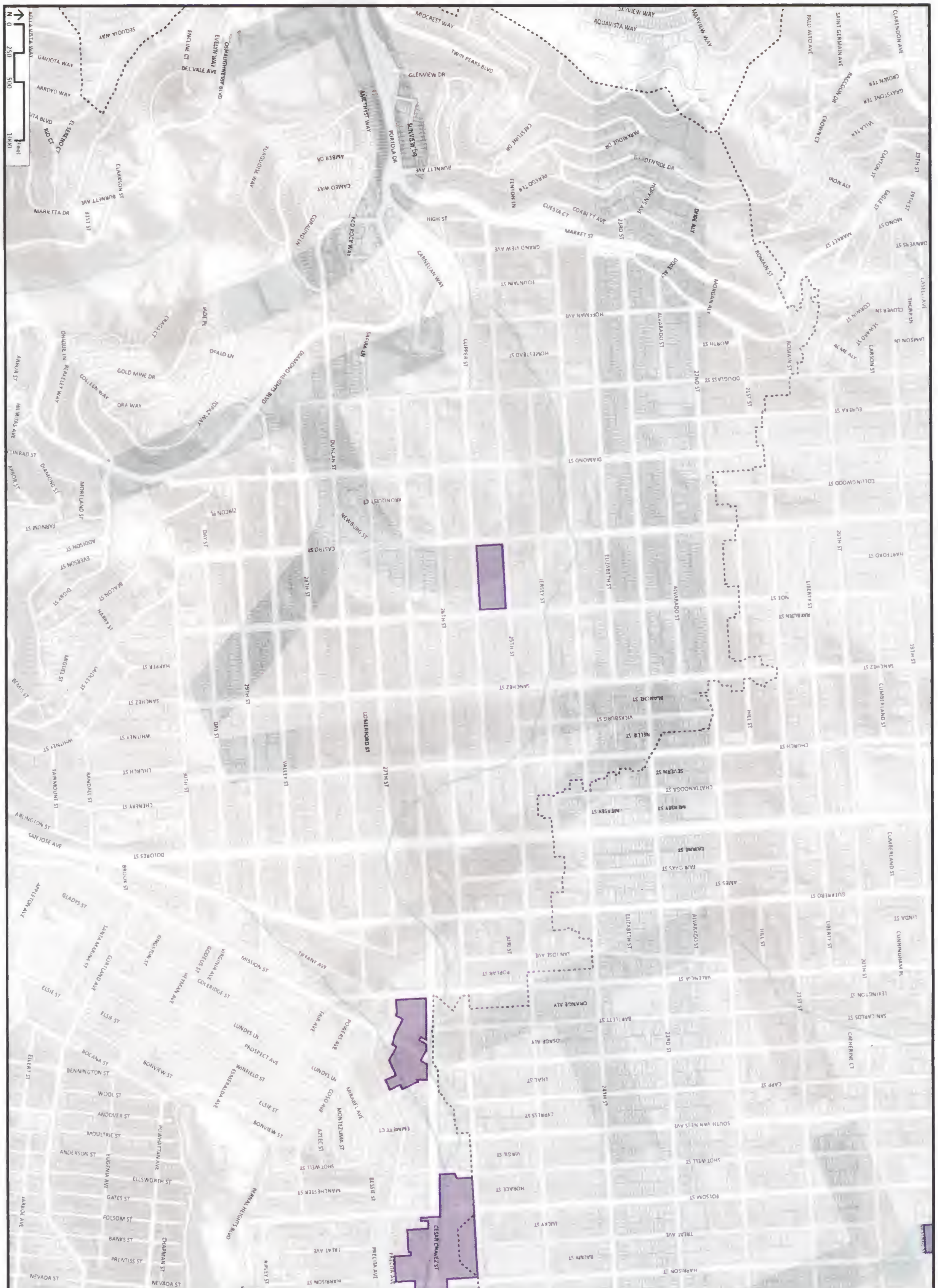
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfgsa.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Noe Valley

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

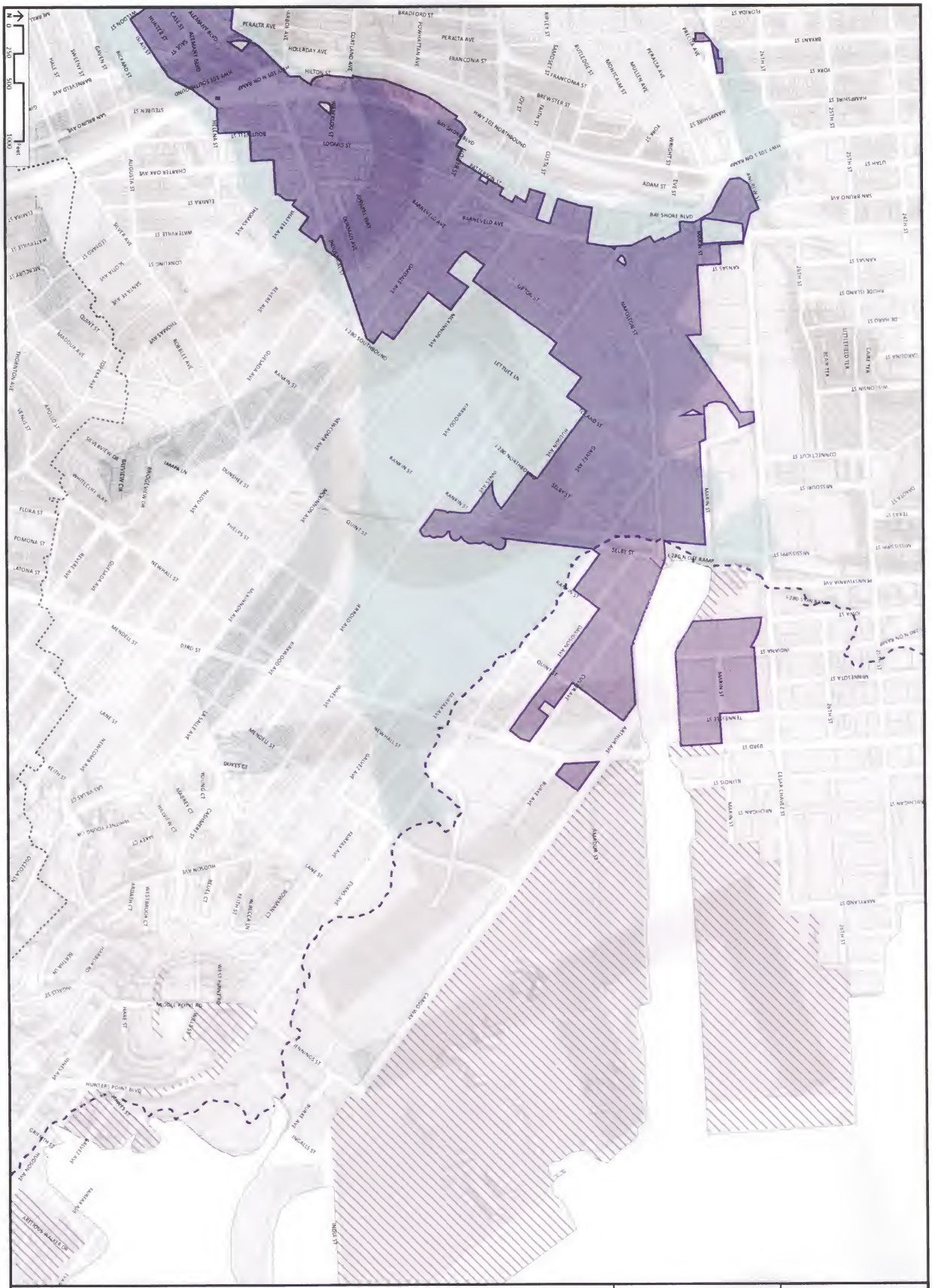
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Bayview 1 of 2

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://onesanfrancisco.org/sea-level-rise-publication) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Bayview 2 of 2 **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

100 Year Storm Flood Risk Zone

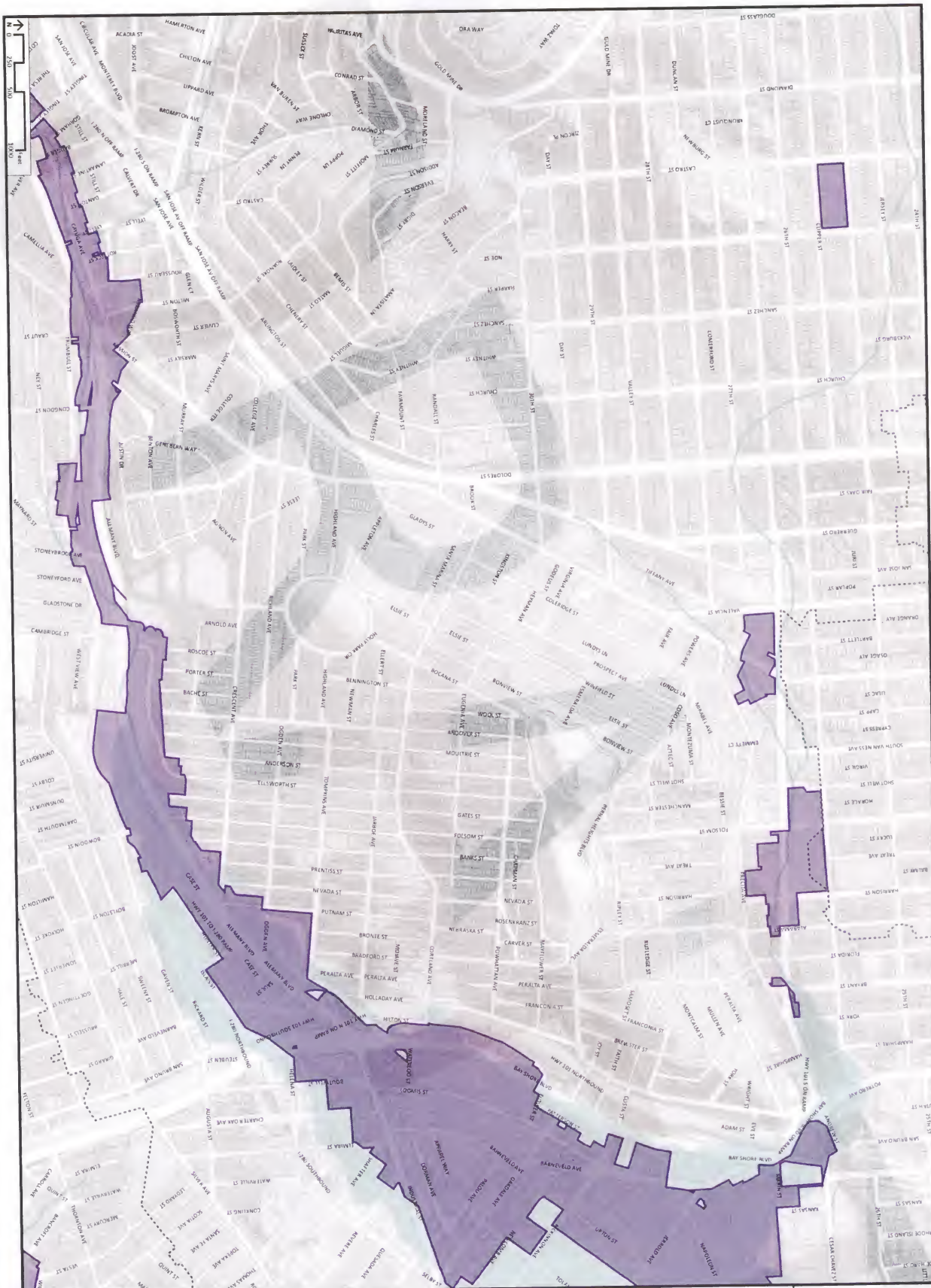
Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.

Watershed Boundaries

Historical Shoreline

Historical Creeks and Waterbodies

Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Bernal Heights

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

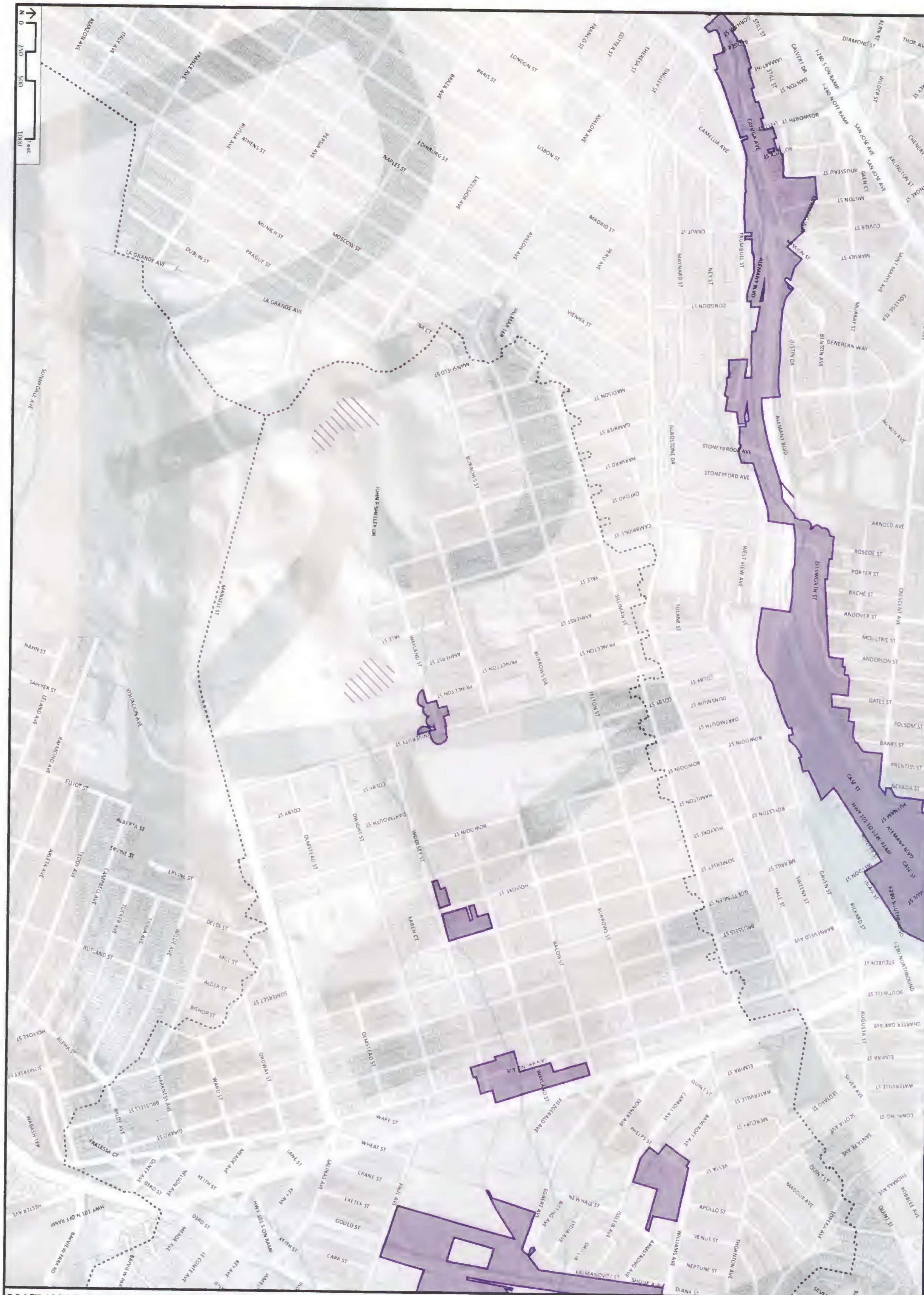
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LIDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (https://www.sfmta.com/projects/sea-level-rise-pilot-study) and the FEMA Preliminary Flood Insurance Rate Maps (https://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Excelsior/Portola

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

100-Year Storm Flood Risk Zone

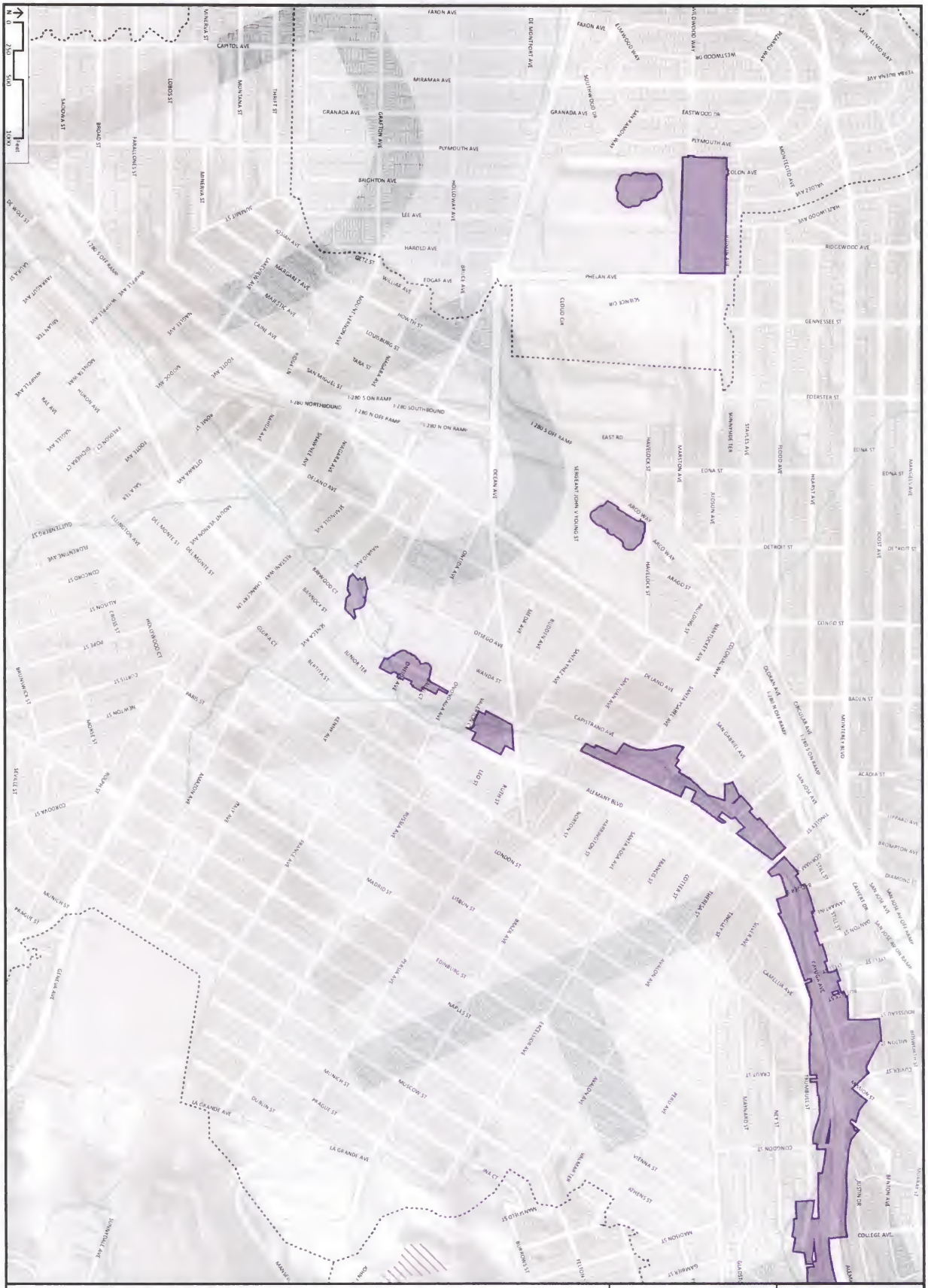
Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.

Watershed Boundaries

Historical Shoreline

Historical Creeks and Waterbodies

Parcels



DRAFT 100-YEAR STORM FLOOD RISK MAP - Outer Mission **September 25, 2018**

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://www.sfgsa.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://www.sfplanning.org/flood-insurance-rate-map-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Ocean View

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

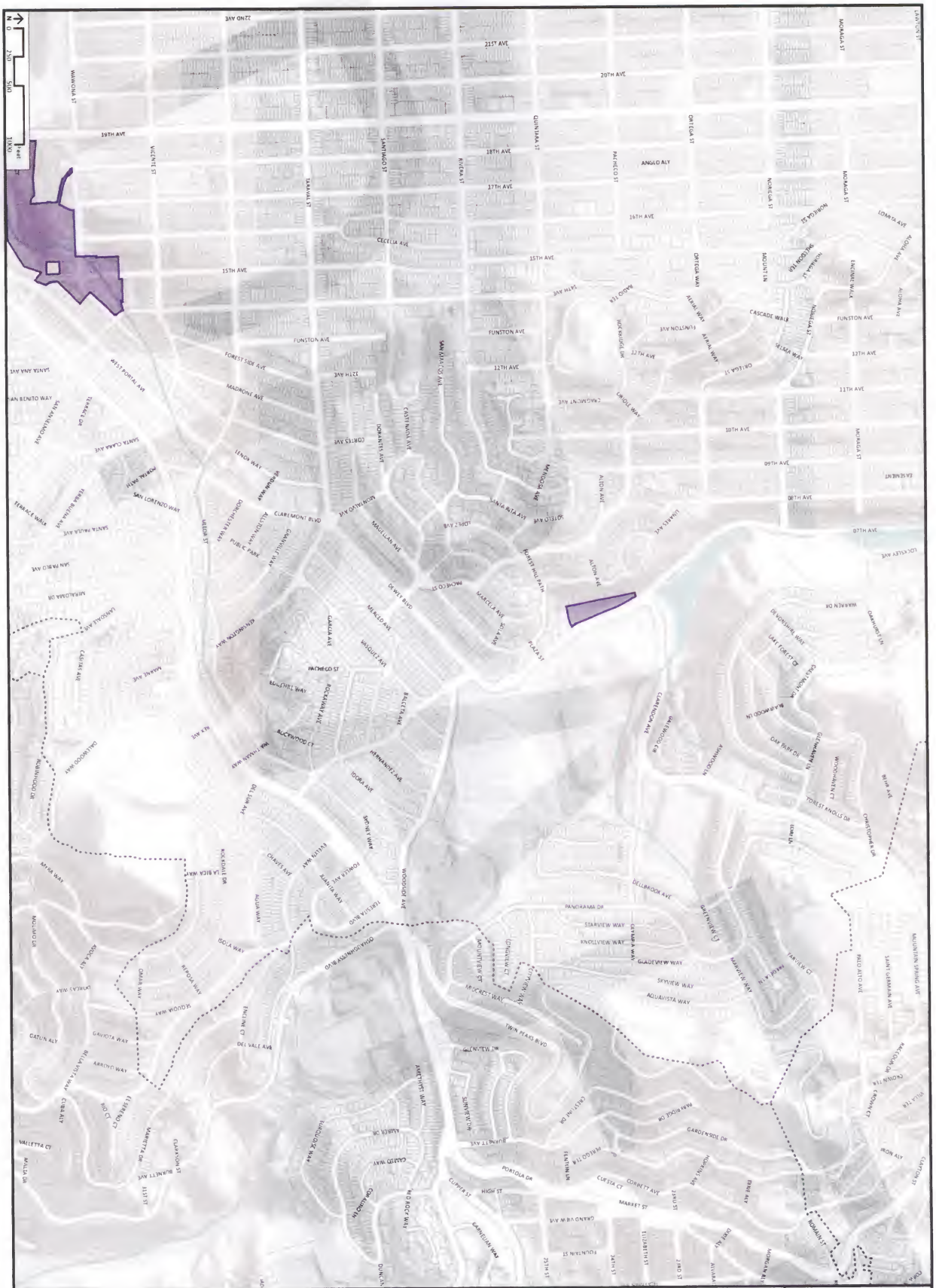
The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

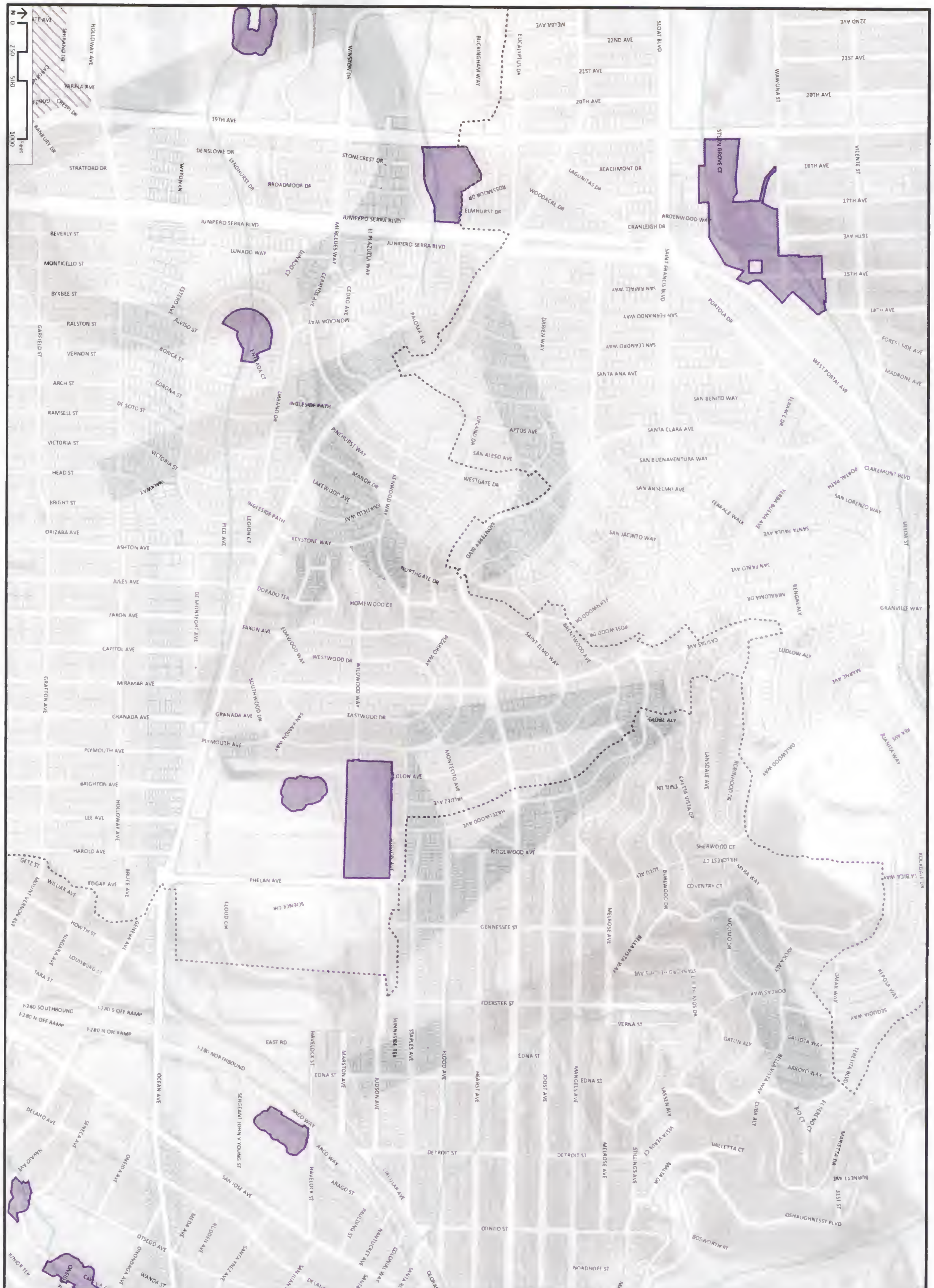
The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

- 100 Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels


N
0
2500
5000
10000
Feet
22ND AVE
21ST AVE
20TH AVE
19TH AVE
18TH AVE
17TH AVE
16TH AVE
15TH AVE
CECELIA AVE
FUNSTON AVE
12TH AVE
11TH AVE
10TH AVE
09TH AVE
08TH AVE
07TH AVE
WAWONA ST
VICENTE ST
SANTIAGO ST
TARAVAL ST
RIVERA ST
QUINTARA ST
PACHECO ST
ORTEGA ST
ANGLO ALY
NORIEGA ST
MORAGA ST
LINCOLN WAY
ALDER AVE
FOREST SIDE AVE
MADRONE AVE
CRESTLINE DR
LENDA WAY
SAN LORENZO WAY
CLAREMONT BLVD
PUBLIC PARK
MAGELLAN AVE
FOREST HILL PATH
ALTON AVE
LAKE ST
LOCKSLEY AVE
DEWEY BLVD
MARCELLA AVE
GARCIA AVE
MIRAMAR AVE
WESTLAKE AVE
BUCKINGHAM WAY
BLACKWOOD CT
HERNANDEZ AVE
TORRES ST
SANTA ANA AVE
SAN BENITO WAY
SANTA CLARA AVE
SANTA PAULA AVE
SAN PABLO AVE
MIRALOMA DR
LAKESIDE AVE
CASTENADA AVE
MYRA WAY
MALLORCA WAY
MONTEREY BLVD
OCEAN AVE
SKYLINE BLVD
DELLBROOK AVE
PANORAMA DR
STARVIEW WAY
KNOLLVIEW WAY
GLADEVIEW WAY
SKYVIEW WAY
AQUAVISTA WAY
TWIN PEAKS BLVD
GLENVIEW DR
CRESTLINE DR
GARDENSIDE DR
PORTOLA DR
CORBETT AVE
MARKET ST
HIGH ST
CLIPPER ST
CHENERY ST
DIAMOND ST
CASTRO ST
DOLORES ST
NOE ST
SANCHEZ ST
DUNCAN ST
ROSCOMMON DR
WARREN DR
DEVONSHIRE WAY
LAKE FOREST CT
CHENERY ST
FOREST KNOLLS DR
CHRISTOPHER DR
PALO ALTO AVE
SAINT GERMAIN AVE
MALLORCA WAY
CROWN TER
MOUNTAIN SPRING AVE
MONTEREY BLVD
MONTCALM ST
MONTEREY BLVD
MONTEREY BLVD
MONTEREY BLVD



DRAFT 100-YEAR STORM FLOOD RISK MAP - West of Twin Peaks 2 of 2

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map ([illegible]) and the FEMA Preliminary Flood Insurance Rate Maps ([illegible]).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Outer Sunset

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfplanning.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/san-francisco-floodplain-management-program).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

DRAFT 100-YEAR STORM FLOOD RISK MAP - Inner Sunset

September 25, 2018

This map is intended as an informational tool to illustrate the potential for flooding across San Francisco in a 100-year storm. There is a 1% chance of a 100-year storm occurring in a given year. The map shows parcels that are highly likely to experience "deep and contiguous" flooding during a 100-year storm. "Deep and contiguous flooding" means flooding at least 6-inches deep spanning an area at least the size of half an average City block. This map does not provide the exact depth of flooding at a given location. It also does not show areas in the City that may experience shallower and/or more localized flooding in a 100-year storm, or areas of the City that may flood in storms larger than a 100-year storm.

The map was created using a hydrologic and hydraulic computer model, utilizing a digital elevation model created from 2010 LiDAR data and information on existing City infrastructure. The model's calculations take into account projected sea level rise and storm surge causing elevated bay levels. The maps are based on model outputs and do not account for future conditions such as new construction, infrastructure upgrades, or other changes that may affect flooding. Although care was taken to capture relevant topographic features and structures in the City, site specific conditions may not be fully represented. The map will be updated as needed to reflect changes in the City's infrastructure and urban land uses.

The hatched areas on the map are not served by the SFPUC's combined sewer and stormwater collection system and were not part of the SFPUC's flood analysis. This map does not provide flood risk information for those areas.

Finally, this map shows flood risk from storm runoff only. It does not consider flood risk in San Francisco from other causes such as inundation from the San Francisco Bay or Pacific Ocean. For information on flood risk from other causes, please see the Sea Level Rise Vulnerability Zone Map (http://sfmea.sfgov.org/sea-level-rise-guidance) and the FEMA Preliminary Flood Insurance Rate Maps (http://sfgsa.org/sea-level-rise-guidance).

LEGEND

- 100-Year Storm Flood Risk Zone
- Areas not served by the combined sewer and stormwater collection system. Flood risk for these areas is not analyzed on these maps.
- Watershed Boundaries
- Historical Shoreline
- Historical Creeks and Waterbodies
- Parcels

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SFPUC Rules and Criteria for

100-year Storm Flood Risk Map Parcel Review Process

The 100-year Storm Flood Risk Map (Map) shows areas of San Francisco where significant flooding from storm runoff is highly likely to occur during a 100-year storm. These areas are collectively designated as the 100-year Storm Flood Risk Zone. The purpose of the Map is to inform existing and future property owners about flood risk on their properties.

The (H&H) computer modeling that simulates flooding occurring Citywide under a 100-year storm is highly accurate and based on the best available Citywide datasets. Nonetheless, it is possible that the H&H computer model could have incomplete data with regard to the elevation of a particular parcel or may not reflect structures on a particular parcel, such as a solid fence or retaining wall, that could impact flooding.

Accordingly, a parcel owner may request review of the inclusion of his/her parcel in the 100-Year Flood Risk Zone if the parcel owner can establish that one or more of the following Removal Criteria apply to their parcel:

1. The parcel's ground elevation (not buildings or units) is entirely above the 100-year storm flood elevation; and/or
2. Barriers or structures (e.g. solid walls or solid fences) are located on the parcel which divert stormwater from the entire parcel, such that no part of the parcel is subject to deep and contiguous flooding during a 100-year storm

If SFPUC determines that the parcel satisfies one or both of the Removal Criteria above, the parcel shall be removed from the 100-Year Flood Risk Zone on the Map. There shall be no other bases for removing a parcel from the 100-Year Flood Risk Zone.

The process for reviewing and potentially removing a parcel from the 100-year Storm Flood Risk Zone is as follows:

1. A property owner submits a parcel review request to the SFPUC on a form specified by the SFPUC.

2. No later than 60 days after receipt of a complete parcel review request form, SFPUC staff will perform a <u>preliminary</u> desktop review and site visit to the parcel to determine if additional data is needed.

   At the sole discretion of the SFPUC, SFPUC may determine that additional site assessment steps are required, including:

- Survey of parcel ground elevations or existing structures
- Incorporation of new or additional site data and re-processing of the H&H computer modeling

If additional review is required, SFPUC will endeavor to complete such review no later than 180 days from completion of the preliminary review described above. The parcel owner shall cooperate and assist SFPUC in such review efforts, including but not limited to, providing SFPUC with access to the parcel to conduct site inspections and/or surveys.

3. Following all necessary site assessment activities, SFPUC will determine whether one or more of the Removal Criteria have been satisfied. SFPUC will maintain all details related to the analysis and outcome of the review process in an official data file to be used as an input to the 100-year Storm Flood Risk Map.

4. SFPUC will send the parcel owner written notice of its parcel determination. SFPUC will maintain copies of all parcel determinations, and will publish and regularly update on its website a list of all parcels determined to be exempt under this review process.

5. The Map will be updated on an annual basis, no later than July 1, to incorporate and reflect all property review determinations that have been made.

Adopted by the Public Utilities Commission on September 25, 2018 by Resolution No. 18-_____

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0161**

WHEREAS, In 2008, the San Francisco Public Utilities Commission (SFPUC) issued Request for Proposals (RFP) CS-936 for the procurement and installation of an Automated Metering Infrastructure (AMI) System that could be utilized by the SFPUC Water Enterprise (SFPUC Water) for its water customers and the SFPUC Power Enterprise (SFPUC Power) for its electric customers; and

WHEREAS, After an intensive review and selection process, SFPUC selected VSI Meter Services, Inc. (VSI) and on March 10, 2009, this Commission authorized, and on November 3, 2009, by Ordinance No. 236-09, the Board of Supervisors approved Water Enterprise Agreement No. CS-936, Agreement for Procurement, Installation and Implementation of Advanced Meter Infrastructure System with VSI for the purchase the AclaraSTAR AMI System, the predecessor to the AclaraONE AMI System; and

WHEREAS, The AclaraSTAR AMI System and the AclaraONE AMI Systems are manufactured by Aclara Technologies LLC (Aclara) and collectively referred to herein as the "Aclara AMI System;" and

WHEREAS, Because SFPUC Power was unable to implement the Aclara AMI system prior to the expiration of CS-936, it issued a new RFP in 2017, PRO.0003, for an AMI system; and

WHEREAS, In response to RFP PRO.0003, SFPUC received a single proposal, submitted by Aclara, which SFPUC was required to reject because it did not meet one of the minimum qualifications set forth in the RFP; and

WHEREAS, Although SFPUC was required to reject Aclara's proposal in response to RFP PRO.003, SFPUC Power determined that Aclara's AMI system was the best solution for its business needs and, on that basis, requested authorization from the Office of Contract Administration (OCA) to purchase the Aclara AMI System pursuant to Section 21.5(b) of the San Francisco Administrative Code, which OCA granted in April 2018; and

WHEREAS, The purchase and implementation of the Aclara AMI system was also approved by the Civil Service Commission pursuant to Personal Services Contract (PSC) 45582-17/18; and

WHEREAS, The purchase and implementation of the Aclara AMI system will allow SFPUC to have a single, cohesive platform for both its Water and Power customers, resulting in significant time and cost savings for the SFPUC; and

WHEREAS, Pursuant to Chapter 14B of the San Francisco Administrative Code, the Contract Monitoring Division Local Business Enterprise sub-consulting requirements have been waived for this project; and

WHEREAS, The Load Meter Program (Project ID 10014500) will fund the initial deployment of the Aclara AMI System and the SFPUC Power Enterprise Operating Budget will fund the Aclara AMI System post deployment through the contract end date; and

WHEREAS, On August 28, 2018 the Planning Department determined that this Agreement is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15302, Class 2 (Replacement or Reconstruction) and Section 15303, Class 3 (New Construction or Conversion of Small Structures); now, therefore, be it

RESOLVED, That this Commission hereby approves Agreement No. CS-1100 (ITS), Electric Automated Metering Infrastructure System, with Aclara Technologies LLC for the procurement and installation of the AclaraONE Automated Meter Infrastructure for the San Francisco Public Utilities Commission Power Enterprise, and authorizes the General Manager of the San Francisco Public Utilities Commission to execute this Agreement for a total contract not-to-exceed amount of $9,993,604 and a contract duration of 10 years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of September 25, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, October 9, 2018
1:30 P.M.

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Ike Kwon, President
Vince Courtney, Vice President
Ann Moller Caen
Francesca Vietor
Anson Moran

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons wth severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / ความชวยเหลอื ทางภาษาโดยไมเสยคาใชจาย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Election of Officers: As per the San Francisco Public Utilities Commission Rules of Order, Rule No. 6, **discussion and possible action to elect a new President and Vice President** of the Commission, each to serve a one-year term.

4. Approval of the Minutes of September 25, 2018

5. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

6. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Water Supply Conditions Update

6. Other Commission Business

7. Report of the General Manager (discussion only)
   a) CleanPowerSF Update (Hale)
   b) Bay Delta Water Quality Control Plan Update (Ritchie)
   c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

8. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

180162

   a) Accept work performed by Netronix Integration, Inc., for **Contract No. WD-2661**, As-Needed Integration Services; approve Modification No. 5 (Final),

decreasing the contract amount by $341,403 for a total contract amount of $1,560,792, and extending the contract duration by 41 consecutive calendar days, for a total contract duration of 1,681 consecutive calendar days (approximately four years and seven months); and authorize final payment to the contractor. (How)

b) Accept work performed by Mitchell Engineering, Inc., for **Contract No. WD-2817**, Peninsula Pipeline Seismic Upgrade – Phase III for a total contract
180163 amount of $7,378,428, and with a total contract duration of 488 consecutive calendar days (approximately one year and four months); and authorize final payment to the contractor. (How)

c) Approve an increase of 215 consecutive calendar days (approximately seven months) to the existing 60-day construction contract duration contingency for **Contract No. WW-651**, Griffith Pump Station
180164 Improvements; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 875 consecutive calendar days (approximately two years and five months), with no change to the contract cost contingency. (How)

REGULAR SESSION

9. Approve Amendment No. 5 to **Agreement No. CS-879.C**, Engineering Project Design Services, with Kennedy/Jenks Consultants, for continued engineering design and engineering services during construction for the Regional Groundwater Storage and Recovery Project and the San Francisco
180165 Groundwater Supply Project; and authorize the General Manager to execute this amendment, increasing the agreement by $3,500,000, for a total not-to-exceed agreement amount of $22,000,000, and extending the contract duration by three years, for a total agreement duration of 15 years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (How)

10. Award **Job Order Contract No. JOC-76R**, General Engineering (A- License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties, for a not-to-
180166 exceed amount of $5,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, Anvil Builders, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus. (How)

11. Award **Job Order Contract No. JOC-77**, General Engineering (A- License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $2,000,000, with a minimum guaranteed amount
180167 of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, R&S Construction Management, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities Commission (SFPUC) Enterprise Operations and Bureaus. (How)

12. Approve the terms and conditions of, and authorize the General Manager to execute a **five-year lease**, with a three-year option to extend the term, with 1800 Jerrold Ave LLC, as landlord, providing for the San Francisco Public

180168

Utilities Commission Water Enterprise City Distribution Division's use of vacant land at 1876 Oakdale Avenue in San Francisco for storage of soil, material, and related uses, at an initial monthly rent of $15,800, with annual rent increases based on the Consumer Price Index. (Carlin)

13. Other New Business (discussion only)

14. Adjournment

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

Minutes
Tuesday, October 9, 2018
1:30 P.M.
(Approved October 23, 2018)

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Kwon called the meeting to order at 1:32 PM.

2. Roll Call
   Present: Kwon, Courtney, Caen, and Moran
   Commissioner Vietor arrived at 1:34 PM.

3. Election of Officers: As per the San Francisco Public Utilities Commission Rules of Order, Rule No. 6, discussion and possible action to elect a new President and Vice President of the Commission, each to serve a one-year term.

   Commissioner Moran nominated Commissioner Courtney as Commission President. Nomination accepted.

   On Motion to elect Commissioner Courtney as Commission President:
   Aye: Courtney, Caen, Moran and Kwon

   No public comment.

   Commissioner Vietor arrived at 1:34 PM.

   Commissioner Moran nominated Commissioner Caen as Commission Vice President. Nomination accepted.

   On Motion to elect Commissioner Caen as Vice President.
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

4. Approval of the Minutes of September 25, 2018
   On Motion to approve the Minutes of September 25, 2018:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

5. General Public Comment
   - *Francisco DaCosta congratulated Commissioner Kwon for his work as President and Commissioner Courtney for his appointment as President. He addressed the critical nature of water and drought conditions in the world. He discussed the Raker Act and the high quality of Hetch Hetchy water.*
   - *Drew Lehman discussed the recent Water Environment Federation Technical Exhibit and Conference (WEFTEC). He praised the SFPUC for their workforce development programs and opportunities.*

   Commissioner Vietor thanked Mr. Lehman for the roundtable he organized at WEFTEC. Commissioner Vietor stated she was impressed with the Emerging Water Scholars Program participants she met at WEFTEC.

6. Communications
   a) Advance Calendar

b) Correspondence Log
c) Contract Advertisement Report
d) Water Supply Conditions Update

No public comment.

6. Other Commission Business

Vince Courtney discussed the need to commit to workforce development throughout the public sector and at the SFPUC.

Public Comment

- *Drew Lehman discussed the Emerging Water Scholars Program.*
- *Francisco DaCosta discussed workforce upward mobility and the need for living wages and good quality of life.*

7. Report of the General Manager (GM)

a) CleanPowerSF Update

Barbara Hale, Assistant General Manager (AGM) Power, provided the update: (1) Enrollment and Service to Customers: Currently serving 108,000 accounts; 3.1% opt-out rate; 3.5% SuperGreen upgrade rate. She provided response to Commissioner Vietor's question from the October 9, 2018 meeting as to how large customers are counted. She indicated customers are counted via "service point" as identified in the PG&E system. Customers with multiple service locations, such as the Academy of Art, are counted more than once and could select to enroll in different programs at each location. She discussed the greenhouse gas impact of varying enrollment categories and how that is tracked; (2) Regulatory: AGM Hale stated the California PUC (CPUC) determine She noted two propose decisions have been made: the Judge's decision, and decision by the Commissioner assigned to lead the proceeding ("alternate"). s methodology as to how the Exit Fee (PCIA) is calculated. She stated revisions have been made to the alternate decision and that revisions to the Judge's decision are anticipated. She noted there is no opportunity for comments to be filed and meetings with CPUC staff to obtain clarification on the revisions are not allowed.

No public comment.

b) Bay Delta Water Quality Control Plan (WQCP) Update

Steve Ritchie, AGM Water, provided the update: (1) How could the water supply shortfall created by the WQCP be made-up; (2) What are "realistic" alternative supplies: Active plans that could produce 50 MGD in 10 to 30 years; Various supply options; Near-term possibilities (within 10 years/8 mgd); Medium-term possibilities (within 1-15 years/8-19 mgd); and Long-term possibilities (within 15-30 years/12-23mgd). If all proposed projects are implemented, retail water rate increases approximately 8-17% higher than those planned under the status quo, with increases happening over a 15-year period. For the average single family residential customer, monthly water bills will be $9-20 higher by the end of the 15-year period.

AGM Ritchie responded to a question from Commissioner Vietor as to whether the rate increases include additional financing; and a question as to how the projects were determined.

At the request of Commissioner Vietor, AGM Ritchie provided next steps as to the WQCP process and provided brief comments on water transfers and water banking.

AGM Ritchie responded to Commissioner Moran's request for clarification regarding actions that will be needed if the WQCP is adopted. Brief discussion ensued.

AGM Ritchie continued with a review of requests made in the Non-Governmental Organization (NGO) September 24, 2018 letter, noting a follow-up meeting has been scheduled with NGO representatives to discuss. Discussion ensued.

Public Comment

- *Francisco DaCosta discussed the First People and the Raker Act. He stated the first duty is to San Francisco's water needs and that due diligence is needed.*

c) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

AGM Ritchie updated the Commission regarding water quality concerns that were expressed in the Sunset District. He stated water quality testing is being conducted. He indicated staff is meeting with the homeowner who expressed concern to determine what home test kit was used and what water source was tested. He stated additional SFPUC testing is being conducted throughout the district, with the results to be publicly released when available, followed by community meetings. He stated any water quality issues or concerns should be reported to 311. He indicated that water is safe to drink with no evidence of contamination.

Commissioner Caen suggested a press release be issued regarding groundwater, stating that is the concern that has been expressed to her.

AGM Ritchie expressed concerns that the testing was done with a home kit which showed the presence of pesticides that have never been shown in SFPUC's water quality testing.

In response to a question from Commissioner Vietor, AGM Ritchie stated the SFPUC water quality tests will be looking for those pesticides shown in the home testing kit, as well as other possible water quality issues.
President Courtney thanked Mr. Ritchie for his work. He noted the amount of social media and media attention to the matter and asked that action be taken quickly.

Commissioner Moran noted the Chronicle article on the nature of the issue and the list of actions being taken.

GM Kelly noted there is very little groundwater in the system.

No public comment.

8. *Consent Calendar:*
   a) Accept work performed by Netronix Integration, Inc., for Contract No. WD-2661, As-Needed Integration Services; approve Modification No. 5 (Final), decreasing the contract amount by $341,403 for a total contract amount of $1,560,792, and extending the contract duration by 41 consecutive calendar days, for a total contract duration of 1,681 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0162)

   b) Accept work performed by Mitchell Engineering, Inc., for Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade – Phase III for a total contract amount of $7,378,428, and with a total contract duration of 488 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0163)

   c) Approve an increase of 215 consecutive calendar days to the existing 60-day construction contract duration contingency for Contract No. WW-651, Griffith Pump Station Improvements; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 875 consecutive calendar days, with no change to the contract cost contingency. (Resolution 18-0164)

   On Motion to approve Consent Calendar items 8a through 8c:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

9. Approve Amendment No. 5 to Agreement No. CS-879.C, Engineering Project Design Services, with Kennedy/Jenks Consultants, for continued engineering design and engineering services during construction for the Regional Groundwater Storage and Recovery Project and the San Francisco Groundwater Supply Project; and authorize the General Manager to execute this amendment, increasing the agreement by $3,500,000, for a total not-to-exceed agreement amount of $22,000,000, and extending the contract duration by three years, for a total agreement duration of 15 years, subject to the Board of Supervisors approval pursuant to Charter Section 9.118. (Resolution 18-0165)

   On Motion to approve Item 9:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

10. Award Job Order Contract No. JOC-76R, General Engineering (A- License) for San Francisco, San Mateo, Santa Clara, and Alameda Counties, for a not-to-exceed amount of $5,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, Anvil Builders, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus. (Resolution 18-0166)

    On Motion to approve Item 10:
    Aye: Courtney, Caen, Vietor, Moran and Kwon

    No public comment.

11. Award Job Order Contract No. JOC-77, General Engineering (A- License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $2,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole, qualified, responsible, and responsive bidder, R&S Construction Management, Inc., to perform general engineering construction tasks for all San Francisco Public Utilities Commission (SFPUC) Enterprise Operations and Bureaus. (Resolution 18-0167)

    On Motion to approve Item 11:
    Aye: Courtney, Caen, Vietor, Moran and Kwon

    No public comment.

12. Approve the terms and conditions of, and authorize the General Manager to execute a five-year lease, with a three-year option to extend the term, with 1800 Jerrold Ave LLC, as landlord, providing for the San Francisco Public Utilities Commission Water Enterprise City Distribution Division's use of vacant land at 1876 Oakdale Avenue in San Francisco for storage of soil, material, and related uses, at an initial monthly rent of $15,800, with annual rent increases based on the Consumer Price Index. (Resolution 18-0168)

    On Motion to approve Item 12:
    Aye: Courtney, Caen, Vietor, Moran and Kwon

    No public comment.

13. Other New Business
    President Courtney asked for the Commission's consideration of the following: (1) Commissioner's request for items to be placed on a subsequent agenda should be done during items 6 or 13; (2) President Courtney made a request for a standing workforce development update to be placed under either the GM Report or as a stand-alone item, to be determined in consultation with the GM, depending on the specific topic to be discussed. He provided the following as potential topics for presentation: New employee orientation; Report from San Francisco Department of Human Resources regarding "Apprentice SF"; Mayor's

Office of Workforce Development presentation; SFPUC staff report regarding use of pre-apprentices at the Wastewater Division; Land Management planning, with respect to workforce development; Community Benefits, with respect to Request for Proposals process; and Non-profits with respect to workforce development and connection to policy objectives (scope, classification, wages, hours, working conditions); and finalizing the Workforce Development Policy.

GM Kelly indicated he would like to discuss the Workforce Development Policy first to determine how the other noted issues fit into the policy. Brief discussion ensued.

President Courtney spoke about the Recreation and Park Department "Contingency Fund" (Open Space Fund), a Commission maintained fund. He expressed interest in exploring a similar SFPUC contingency fund.

President Courtney applauded the Golden Pride Event and stated a date for next year's event needs to be determined.

President Courtney Vince requested that the Commission Secretary maintain a calendar of events that the Commission can access to obtain general event and meeting information, etc.

Commissioner Kwon expressed a desire to learn more about expenditures made via the Open Space Fund. Francesca Gessner, Deputy City Attorney, note the Open Space Fund is a Charter mandate, created as result of a ballot measure, and that a similar SFPUC fund would need voter approval. GM Kelly stated there are other ways that priorities can be budgeted.

No public comment.

14. Adjournment

President Courtney adjourned the meeting at 3:01 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0162**

WHEREAS, Construction has been completed for Water Enterprise, Water System Improvement Program (WSIP) funded Contract No. WD-2661, As-Needed Integration Services, by the contractor, Netronix Integration, Inc.; and

WHEREAS, On October 11, 2011, by Resolution No. 11-0166, this Commission awarded Contract No. WD-2661, As-Needed Integration Services, in the amount of $1,216,742 and with a duration of 1,095 consecutive calendar days, to the lowest, qualified responsible and responsive bidder, Netronix Integration, Inc.; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On May 13, 2014, per Resolution No. 14-0067, this Commission approved an increase to the contract cost contingency in the amount of $600,000 and an increase to the contract duration contingency in the amount of 297 consecutive calendar days, for a total contract amount of up to $1,938,416 and a total contract duration of up to 1,501 consecutive calendar days; and

WHEREAS, On December 8, 2015, per Resolution No. 15-0256, this Commission approved an increase to the contract duration contingency in the amount of 180 consecutive calendar days, for a total contract duration up to 1,681 consecutive calendar days; and

WHEREAS, Modification No. 5 (Final) is being requested to reduce the contract amount by $341,403 and increase the contract duration by 41 consecutive calendar days to reflect actual costs regarding unused bid items and additional time needed to complete remaining task orders, for a total final contract amount of $1,560,792 and a total final contract duration of 1,681 consecutive calendar days; and

WHEREAS, The Chapter 14B Local Business Enterprise subcontracting goal was waived for this project; and

WHEREAS, Funds are available from Project No. CUW36302, System Security Upgrades; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Netronix Integration, Inc. for Water Enterprise, WSIP-funded Contract No. WD-2661, As-Needed Integration Services, approves Modification No. 5 (Final) decreasing the contract amount by $341,403 and increasing the contract duration by 41 consecutive calendar days, for a total contract amount of $1,560,792 and a total contract duration of 1,681 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0163**

WHEREAS, Construction has been completed for Water Enterprise, Capital Improvement Program (CIP) funded Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade – Phase III, at various locations in the Peninsula, by the contractor, Mitchell Engineering, Inc.; and

WHEREAS, On May 24, 2016, by Resolution No. 16-0097, this Commission awarded Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade – Phase III, to the lowest, qualified responsible and responsive bidder, Mitchell Engineering, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for August 22, 2016; and

WHEREAS, The original contract amount was $6,979,152 and the original contract duration was 396 consecutive calendar days; and

WHEREAS, Modification Nos. 1-4 were issued to increase the contract amount by $694,459 and to increase the contract duration by 39 consecutive calendar days, increasing the contract amount to $7,673,611 and increasing the contract duration to 435 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On January 9, 2018, per Resolution No. 18-0004, this Commission approved an increase to the 10% contract duration contingency in the amount of 150 consecutive calendar days, increasing the total contract duration contingency to 189 consecutive calendar days, for a total revised contract duration of up to 585 consecutive calendar days; and

WHEREAS, Modification No. 5 was issued to decrease the contract amount by $295,185 and to increase the contract duration by 53 consecutive calendar days to provide inspection services and adjust the final quantities, increasing the contract amount to $7,378,426 and increasing the contract duration to 488 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20% for this contract, the contractor committed to a LBE participation of 20.074% with its bid submittal, and CMD has determined that the contractor made a good faith effort to substantially comply with the LBE subcontracting requirement by receiving a final participation of 9.826%; and

WHEREAS, Funds are available from Project No. CUW2730503, Peninsula Pipeline Seismic Upgrade – Phase III; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Mitchell Engineering, Inc. for Water Enterprise, CIP-funded Contract No. WD-2817, Peninsula Pipeline Seismic Upgrade – Phase III, for a total contract amount of $7,378,426, and with a total contract duration of 488 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0164**

WHEREAS, On July 11, 2017, per Resolution No. 17-0152, this Commission approved the award of Sewer System Improvement Program (SSIP) funded Contract No. WW-651, Griffith Pump Station Improvements, to Western Water Contractors, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for October 16, 2017; and

WHEREAS, The original contract amount was for $10,941,000 and the original contract duration was 600 consecutive calendar days (approximately 20 months) to final completion; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative increase in contract duration in excess of 10% of the original contract duration be approved by the Commission; and

WHEREAS, An increase of 215 consecutive calendar days (approximately 7 months) to the existing 60-day contract duration contingency is being requested to allow staff to negotiate with the contractor for additional time to complete contract work, for a total contract duration contingency of 275 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting participation requirement of 8.00% for this contract, and the contractor committed to a LBE participation of 8.75% with its bid submittal; and

WHEREAS, Funds are available from Project No. CWWSIPCSPS06, Griffith Pump Station Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 60-day contract duration contingency in the amount of 215 consecutive calendar days for SSIP funded Contract No. WW-651, Griffith Pump Station Improvements, for a total contract duration contingency of 275 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, approve any future modifications to the contract duration up to 875 consecutive calendar days, with no change to the contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0165**

WHEREAS, On October 9, 2007, pursuant to Resolution No. 07-0175, this Commission awarded Water System Improvement Program-funded Agreement No. CS-879.C, Engineering Project Design Services to Kennedy/Jenks Consultants, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in an amount not to exceed $9,000,000 and with a duration of seven years; and

WHEREAS, On July 28, 2009, pursuant to Resolution 09-0130, this Commission approved Amendment No. 1 for $4,800,000, increasing the total not-to-exceed (NTE) agreement amount to $13,800,000, and with a time extension of two years, for a total contract duration of nine years, in order to provide engineering services for additional scopes of work and engineering support during construction; and

WHEREAS, On July 12, 2011, pursuant to Resolution No. 11-0128, this Commission approved Amendment No. 2 for $2,700,000, increasing the total NTE agreement amount to $16,500,000, with no change to the agreement duration, in order to provide continued engineering services for support during construction due to additional scopes of work; and

WHEREAS, On March 22, 2012, pursuant to the General Manager's authority bestowed by the Commission under SFPUC Resolution No. 09-0017, the General Manager approved Amendment No. 3, with no change to the total NTE amount, and with no change to the agreement duration, to identify the Peninsula Pipelines Seismic Upgrade as a specific project assigned to Kennedy/Jenks Consultants under the contract; and

WHEREAS, On June 14, 2016, pursuant to Resolution No. 16-0117, this Commission approved Amendment No. 4 for $2,000,000, increasing the total NTE agreement amount to $18,500,000, and with a time extension of three years, for a total agreement duration of 12 years, in order to provide continued engineering design and engineering services during construction for the Regional Groundwater Storage and Recovery (GSR) Project and the San Francisco Groundwater Supply (SFGW) Project; and

WHEREAS, On October 7, 2016, pursuant to Resolution No. 423-16, the Board of Supervisors approved Amendment No. 4; and

WHEREAS, Amendment No. 5 is being requested for $3,500,000, increasing the total NTE agreement amount to $22,000,000, and with a time extension of three years, for a total agreement duration of 15 years, in order to provide continued engineering design and engineering services during construction for the Regional GSR Project and the SFGW Project, and to provide fluoride compliance evaluation for the SFGW Project; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 10% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement and Kennedy/Jenks Consultants committed to an LBE participation rate of 13.6%; and

WHEREAS, Funds for this amendment are available from the Regional GSR Project (CUW30103) and SFGW Project (CUW30102); now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 5 to Water Enterprise, Water System Improvement Program-funded Agreement No. CS-879.C, Engineering Project Design Services, with Kennedy/Jenks Consultants, for continued engineering design and engineering services during construction for the Regional GSR Project and the SFGW Project, and to provide fluoride compliance evaluation for the SFGW Project, and authorizes the General Manager of the SFPUC to execute this amendment, increasing the agreement by $3,500,000, for a total agreement amount not to exceed $22,000,000, and with a time extension of three years for a total agreement duration of 15 years, subject to Board of Supervisors approval pursuant to Charter Section 9.118.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0166**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Job Order Contract (JOC) No. JOC-76R, General Engineering (A-License), San Francisco, San Mateo, Santa Clara and Alameda Counties, on April 18, 2018; and

WHEREAS, The not-to-exceed amount is $5,000,000 with a guaranteed minimum amount of $50,000 for this construction contract to accomplish General Engineering construction work for all San Francisco Public Utilities Commission (SFPUC) Enterprises Operations, and bureaus in San Francisco, San Mateo, Santa Clara, and Alameda Counties; and

WHEREAS, The contract duration is two (2) years; and

WHEREAS, The Commission authorizes award of this JOC for work to be performed under future task orders which will identify the scope of work, cost, and duration of various discrete construction activities; and

WHEREAS, No task order will be issued for construction under this contract until the Bureau of Environmental Management has reviewed the proposed project and determined whether environmental review under the California Environmental Quality Act (CEQA) is required, and if so, the appropriate CEQA document is prepared and has been considered prior to task order release; and

WHEREAS, The work under this Job Order Contract (JOC) has been competitively bid per unit price and the basis of selecting a contractor is the lowest responsible, responsive bidder for the work under these subsequent task orders; and

WHEREAS, One bid was received and opened publicly on July 20, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bid for qualifications, responsibility, and responsiveness resulted in the establishment of Anvil Builders, Inc. as the sole, qualified, responsible, and responsive bidder; and

WHEREAS, Based on the results of outreach efforts, the General Manager determined that neither further outreach efforts nor removal or modification of certain requirements in the Contract would likely result in more than one bid at bid prices substantially lower than the bid price received; and

WHEREAS, The Award Criteria Figure from Anvil Builders was 1.3778; and

WHEREAS, The CMD established a Local Business Enterprise (LBE) subcontracting requirement of 13% for this contract, and the contractor committed to a LBE subcontracting participation of 13.00% in its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible, and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds will be available from various SFPUC Enterprise Funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby awards Job Order Contract No. JOC-76R, General Engineering (A-License), San Francisco, San Mateo, Santa Clara, and Alameda Counties, for work to be performed under future task orders which will identify the scope of work, cost, and duration of various discrete construction activities, for a not-to-exceed amount of $5,000,000 with a minimum guaranteed amount of $50,000 and a duration of two years to the sole, qualified, responsible, and responsive bidder, Anvil Builders, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0167**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Micro-LBE Set Aside Job Order Contract (JOC) No. JOC-77 General Engineering (A-License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, on May 31,2018; and

WHEREAS, The not-to-exceed amount is $2,000,000 with a guaranteed minimum amount of $50,000 for this construction contract to accomplish General Engineering construction work for all SFPUC Enterprise Operations and Bureaus; and

WHEREAS, The contract duration is two years; and

WHEREAS, The Commission authorizes award of this Job Order Contract No. JOC-77 (JOC) for work to be performed under future task orders which will identify the scope of work, cost, and duration of various discrete construction activities; and

WHEREAS, No task order will be issued under this contract until, if necessary, the appropriate California Environmental Quality Act (CEQA) document has been prepared, reviewed, and considered prior to project approval; and

WHEREAS, The work under this JOC has been competitively bid per unit price and the basis of selecting a contractor is the lowest responsible, responsive bidder for the work under these subsequent task orders; and

WHEREAS, One bid was received and opened publicly on July 27, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) reviewed the bid for qualifications, responsibility, and responsiveness, and this review resulted in the establishment of R&S Construction Management, Inc. as the sole qualified, responsible, and responsive bidder; and

WHEREAS, Based on the results of the outreach efforts, the General Manager determined that neither further outreach efforts nor removal or modification of certain requirements in the Contract would likely result in more than one bid at bid prices substantially lower than the bid price received; and

WHEREAS, The Award Criteria Figure from R&S Construction Management, Inc., was 1.5200; and

WHEREAS, A CMD subcontracting participation requirement and bid discount do not apply to Micro-Local Business Enterprise (LBE) Set Aside Contracts; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible, and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds will be available from various SFPUC Enterprise funds when task orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby awards Micro-LBE Set Aside Job Order Contract No. JOC—77, General Engineering (A-License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $2,000,000 with a minimum guaranteed amount of $50,000 and a two-year duration to the sole, qualified, responsible, and responsive bidder, R&S Construction Management, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0168**

WHEREAS, 1880 Jerrold Ave LLC, a California limited liability company, as landlord (Landlord), desires to lease to the City and County of San Francisco (City), through the San Francisco Public Utilities Commission (SFPUC), as tenant, approximately 25,937 square feet of vacant land at 1876 Oakdale Avenue in San Francisco (Premises) at an initial rental rate of $15,800 per month ($189,600 annually); and

WHEREAS, The Premises comprises a portion of a former railroad right of way at the intersection of Newcomb Avenue and Quint Street adjacent to railroad tracks; and

WHEREAS, The SFPUC Water Enterprise seeks to store soil and material from small SFPUC construction sites on the Premises prior to their bi-monthly hauling by a third-party contractor to permanent disposal facilities, and the Water Enterprise no longer has adequate space to store such soil and materials at City Distribution Division (CDD)'s operational facilities at 1990 Newcomb Avenue (CDD Facility) because of the expansion of CDD operations; and

WHEREAS, SFPUC staff recommends rental of the Premises because of its availability, suitability, and proximity to the CDD Facility; and

WHEREAS, The proposed lease of the Premises provides the SFPUC with an opportunity to acquire vacant land in an ideal location, because of the Premises' immediate availability and proximity to the CDD Facility; and

WHEREAS, The City, through the SFPUC, as tenant, desires to enter into a five-year lease, with one option to extend the term for three years, with Landlord for the use of the Premises at an initial rental rate of $15,800 per month ($189,600 a year), with automatic annual rent increases based on the Consumer Price Index (Lease); and

WHEREAS, Funding is available from Water Enterprise Operating Budget COA 25940-232404-10000-10029998-0006-530110; and

WHEREAS, The proposed lease does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; therefore, be it

RESOLVED, That this Commission hereby approves the terms and conditions of the Lease; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official in connection with the Lease; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the General Manager of the SFPUC to execute the Lease; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute any amendments or modifications to the Lease, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interests of the City, including the SFPUC, do not increase the rent or otherwise materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the lease or this resolution, and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 9, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London Breed
Mayor

AGENDA
Tuesday, October 23, 2018
1:30 P.M.

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / ความชวยเหลอื ทางภาษาโดยไมเสยคาใชจาย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of October 9, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion only)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) 2018 State of the Regional Water System Report
   e) O'Shaughnessy Dam Reservation Quarterly Report
   f) Street Light Program Update
   g) Water Supply Agreement Update
   h) Water Supply Conditions Update

6. Other Commission Business (discussion only)

7. Annual Policy and Government Affairs Update (discussion only) (Ellis)

8. Report of the General Manager (discussion only)
   a) CleanPowerSF Update
   b) Bay Delta Water Quality Control Plan Update
   c) Workforce Development Update: New Employee Orientation
   d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

9. Bay Area Water Service Conservation Agency Update (discussion only) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

10. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in*

which event the matter will be removed from the Calendar and considered as a separate item.

a) Accept work performed by Shaw Pipeline, Inc., for **Contract No. WW-649**, Paul Avenue Sewer Replacement, for a total contract amount of $740,907, and a total contract duration of 181 consecutive calendar days (approximately six months); and authorize final payment to the contractor. (How)

180169

b) Approve the plans and specifications, and award **Contract No. WW-664**, North Point Wet Weather Facility Sedimentation Tank Influent Gate Upgrades, in the amount of $2,741,000, with a duration of 540 consecutive calendar days (approximately one year and six months), to the lowest, qualified, responsible and responsive bidder, Cal State Constructors, Inc., to upgrade existing influent gates and related accessories at the North Point Facility. (How)

180170

REGULAR SESSION

11. Approve Amendment No. 2 to **Agreement No. CS-204**, Fish Passage Facilities within the Alameda Creek Watershed, as a sub-project of the Calaveras Dam Replacement Project, with URS Corporation; and authorize the General Manager to negotiate and execute Amendment No. 2, increasing the agreement by $500,000, for a total not-to-exceed agreement amount of $4,764,580, and extending the term by one year and five months, for a total agreement duration of eight years and seven months. (How)

180171

12. Approve Amendment No. 1 to Agreement No. CS-258A with Environmental Science Associates/Orion Environmental Joint Venture (JV), Agreement No. CS-258B with ICF Jones & Stokes, Inc./Panorama Environmental, Inc., JV, and Agreement No. CS-258C with URS Corporation, to perform environmental support services; and authorize the General Manager to negotiate and execute amendments to **Agreement Nos. CS-258A-C**, increasing each agreement by $2,450,000, for a total not-to-exceed amount of $7,300,000 per agreement, and increasing the duration of each contract by four years, for a total contract duration of nine years. (How)

180172

180173 13. Approve the **Water Supply Assessment for the proposed 598 Brannan Street Project**, pursuant to State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Ritchie)

14. Approve the **Water Supply Assessment for the proposed 542-550 Howard Street Project**, pursuant to State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Ritchie)

180174

15. Approve the terms and conditions of, and authorize the General Manager to, execute the **Second Amendment to the Office Lease** dated November 18, 2013, between 544 Golden Gate Associates LLC as landlord, and the City and County of San Francisco, acting through the SFPUC as tenant, extending the

180175

term by four years for a total duration of nine years, and increasing the rent to $350,083 per year, with 4% annual increases thereafter. (Carlin)

16. Authorize the General Manager to execute an **Inter-jurisdictional Personnel Exchange Agreement** with the California Department of Water Resources (DWR), for the temporary loan of SFPUC employee Daniel L. Wade to spend up to 20% of his time to serve on a DWR Independent Review Board for a Comprehensive Needs Assessment for the Oroville Dam Complex, providing for DWR to reimburse SFPUC for Mr. Wade's time and expenses for an amount not to exceed $375,000, and with a term of approximately 21 months, from September 24, 2018 to June 30, 2020. (How)

180176

17. Approve the terms and conditions of a **revocable license** between the San Francisco Public Utilities Commission and Gerald F. Sullivan allowing the Power Enterprise to use Mr. Sullivan's real property and rock columns located at 10 Rockaway Avenue in San Francisco (Assessor's Block 2916, Lot 15), for the installation, operation, and maintenance of the Rockaway Avenue Streetlight Project, with no license fee, subject to Board of Supervisors' and Mayor's approval. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Carlin)

180177

18. Discussion and possible action to consent to the **Development Agreement** between the City and India Basin Investment LLC, substantially in the form and on the terms as outlined in the Development Agreement with respect to the items under the SFPUC's jurisdiction, and to authorize the General Manager to execute the SFPUC Consent; and adopt findings, pursuant to the California Environmental Quality Act, and a Mitigation and Monitoring and Reporting Program. (Carlin)

180178

19. Public Comment on matters to be addressed during Closed Session

20. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action) (Cauley)

Existing Claim:
Sherry Jackson v. City and County of San Francisco
Unlitigated File Nos.: 18-03009 and 18-02571
Date Filed: May 1, 2018
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $105,000.

180179

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action) (Sheinfield)

180180

Existing Litigation:
Sentinel Insurance Company, LTD v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-561235
Date Filed: September 12, 2017
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $600,000.

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action) (Cauley)

Existing Claim:
Jeffrey Schalk v. City and County of San Francisco
Unlitigated File No.: 18-02665
180181
Date Filed: May 9, 2018
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $43,719.45.

Following Closed Session, the Commission will reconvene in Open Session

24. Announcement Following Closed Session

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

26. Other New Business (discussion only)

27. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

Minutes
Tuesday, October 23, 2018
1:30 P.M.
(Approved November 13, 2018)

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Courtney called the meeting to order at 1:33 PM.

2. Roll Call
   Present: Courtney, Caen, Moran and Kwon
   Commissioner Caen arrived at 1:40 PM.
   Excused: Vietor

3. Approval of the Minutes of October 23, 2018
   On Motion to approve the Minutes of October 23, 2018:
   Aye: Courtney, Moran and Kwon

   No public comment.

4. General Public Comment
   - *Francisco DaCosta discussed the miles of sewer and water pipes in the system and asked if any pipe is leaking. He addressed the loss of institutional memory due to retirements.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) 2018 State of the Regional Water System Report
   e) O'Shaughnessy Dam Reservation Quarterly Report
   f) Street Light Program Update
   g) Water Supply Agreement Update
   h) Water Supply Conditions Update

   Commissioner Caen arrived at 1:40 PM.

   Public Comment (all speaking to item 5f Street Light Program Update)
   - *Larry Gothberg indicated that residents are still waiting for historic lights to be installed on Hyde Street.*
   - *Simon Bertrang, Tenderloin CBD, expressed excitement for the street lighting project and disappointment at the length of time it is taking. He indicated the lighting is important for business and pedestrian safety. He asked if temporary lighting can be installed until the historic lights arrive.*
   - *Brant de Venecia, Tenderloin Housing Clinic, discussed the history of the lighting project, delays that have taken place, and that temporary lights have not been installed. He demanded 100 poles to be installed immediately.*
   - *Adam Leising, Lower Hyde Street Association, concurred with Mr. de Venecia's comments. He stated the neighborhood feels marginalized with delay of such projects and that action needs to be taken.*
   - *David Elliot Lewis discussed the negative effects of poor or non-existing lighting in the Tenderloin. He expressed the need for temporary lighting for neighborhood safety and security.*

- *Pralibha discussed numerous project delays and demanded 100 temporary lights be installed.*
- *Francisco DaCosta stated the Tenderloin needs help and that migration into District 6 needs to be studied. He discussed the importance of lighting for safety. He noted the need for mediation with PG&E.*

General Manager (GM) Kelly, Jr. stated he would provide comment on the matter during item 8, Report of the General Manager.

6. Other Commission Business
None.

7. Annual Policy and Government Affairs Update
Emily Lam, Director of Policy and Government Affairs, provided the update. She began by thanking colleagues for their work during the year. She then provided highlights of legislative activities as noted in the published report at the local, state, and federal levels.

Public Comment
- *Francisco DaCosta suggested a hearing regarding policies. He questioned the subsidy of large organizations such as Salesforce and asked how policies benefit the community.*
- *Peter Drekmeier, Tuolumne River Trust, discussed the Non-Governmental Organizations (NGOs) letter that was previously submitted and reviewed. He discussed federal policy related to FERC re-licensing and work with the Trump administration. He provided written comment for the record.*

Michael Carlin, Deputy General Manager (DGM), stated that the SFPUC has worked on the issue with multiple administrations and career staff throughout the years. He briefly discussed the process and recommendations that have been made.

8. Report of the General Manager
GM Kelly asked Barbara Hale, Assistant General Manager (AGM) Power, to discuss the Tenderloin Street Light Project, item 8b, first.

d) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
AGM Hale acknowledged the frustrations of the community regarding project delays. She noted there was a competitive bidding process and delivery of faulty product. She stated new product was to be delivered October 5th, but she was told by the manufacturer there were fitting problems with the product. She stated temporary lighting was taken from existing stock, resulting in two temporary lights per block. She indicated the manufacturer is expected to provide details on delivery of new product by close of business October 23rd. She stated once the delivery date is known, a schedule of temporary lighting will be determined.

AGM Hale responded to a question from GM Kelly, Jr. about purchasing additional temporary lighting.

President Courtney requested a status update at future Commission meetings.

Commissioner Moran asked AGM Hale to research if there are extra cobra lights that can be purchased from other cities.

AGM Hale responded to question from Commissioner Kwon regarding the installation timeline.

No public comment.

a) CleanPowerSF Update

AGM Hale provided the update: (1) Enrollment and Service to Customers: Currently serving 108,000 accounts; 3.1% opt-out rate; 3.6% SuperGreen upgrade rate; (2) Regulatory: California Public Utilities Commission (CPUC) is reconsidering the methodology as to how the PCIA (exit fee) set. AGM Hale indicated the CPUC had two proposals for consideration, one by the judge and one by the Commissioner assigned (alternate), and that on October 11th the CPUC voted unanimously to approve alternate proposal. She stated the Community Choice Aggregation (CCA) community opposes the alternate proposal as it underestimates the market value of PG&E generation resources, which results in more of PG&E costs being recovered through the exit fees charged to CleanPowerSF customers. She stated it also unlawfully allows above-market costs of generation assets that are owned by PG&E to be recovered by the exit fee. She stated with the decision, the exit fee will have increased by more than 200% since the San Francisco committed to CCA service in 2015.

AGM Hale anticipates the proposal will be implemented January 1, 2019 and estimates that CleanPowerSF customers could pay $40M to $50M more per year, and that the typical residential customer will experience a $1.50 - $2.50 monthly bill increase if no action taken by SFPUC. She indicated an update to PG&E rates is expected at the beginning of November, which could alter numbers she presented. She noted possible next steps.

Commissioner Moran stated the business risk was known. He requested an analysis of the impact on Power Enterprise (CCA) financials and an analysis of long-term effects on the business model.

Public Comment

- *Francisco DaCosta questioned how many electrical lines from Hetch Hetchy come under the jurisdiction of the SFPUC and why the SFPUC continues to have special agreements with PG&E for service to the City.*

Commissioner Moran stated it is an old but interesting issue on transmission into the City. He asked that staff review to see if changing economics changes outcomes of analysis. He stated that PG&E doesn't control the transmission lines anymore, but that Cal ISO now does. He requested an update on options for local distribution and transmission.

b) Bay Delta Water Quality Control Plan Update

Ellen Levin, Deputy Manager, Water, recapped a meeting held with staff and the NGOs to discuss their concerns as expressed in their previously provided letter to the Commission.

DGM Carlin discussed a Board of Supervisors resolution submitted by Supervisor Peskin urging the Board to support the State Board's Plan. He indicated staff has met with the Supervisor and continue to work with him on the issue. He stated the resolution will be before the Land Use Committee on October 29.

Public Comment

- *Peter Drekmeier, Tuolumne River Trust, discussed his 2017 Sunshine request for information for communication between SFPUC staff, lobbyists, and various elected officials.*
- *Francisco DaCosta discussed the Bay Delta Plan and activities that have taken place.*

c) Workforce Development Update: New Employee Orientation

Cindy Charan, Director, SFPUC Human Resource Services, provided an update regarding AB119 and requirements for new employee orientation (NEO) and the City's Department of Human Resources and SFPUC's actions for compliance: regular and recurring NEO sessions; provide annual notice to unions as to the NEO schedule; provide unions with notice of NEO enrollment; provide 30-minutes of access for union representatives to meet with employees at NEO; provide new employees with a union notification document; and MOU link provided to employees and paper copies provided.

No public comment.

9. Bay Area Water Service Conservation Agency (BAWSCA) Update

Nicole Sandkulla, CEO, BAWSCA, noted BAWSCA's August 2018 total potable water use 17% less than August 2013. She stated BAWSCA is moving forward with a demand study for the service area and that the scope is being developed and the RFP is being prepared. She noted it will take approximately one year to complete the study.

Commissioner Moran thanked Ms. Sandkulla for the information and that he looks forward to the study.

No public comment.

10. Consent Calendar:
    a) Accept work performed by Shaw Pipeline, Inc., for Contract No. WW-649, Paul Avenue Sewer Replacement, for a total contract amount of $740,907, and a total contract duration of 181 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0169)

    b) Approve the plans and specifications, and award Contract No. WW-664, North Point Wet Weather Facility Sedimentation Tank Influent Gate Upgrades, in the amount of $2,741,000, with a duration of 540 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Cal State Constructors, Inc., to upgrade existing influent gates and related accessories at the North Point Facility. (Resolution 18-0170)

    On Motion to approve Consent Calendar items 10a through 10b:
    Aye: Courtney, Caen, Moran and Kwon

    No public comment.

11. Approve Amendment No. 2 to Agreement No. CS-204, Fish Passage Facilities within the Alameda Creek Watershed, as a sub-project of the Calaveras Dam Replacement Project, with URS Corporation; and authorize the General Manager to negotiate and execute Amendment No. 2, increasing the agreement by $500,000, for a total not-to-exceed agreement amount of $4,764,580, and extending the term by one year and five months, for a total agreement duration of eight years and seven months. (Resolution 18-0171)

    On Motion to approve item 11:
    Aye: Courtney, Caen, Moran and Kwon

    No public comment.

12. Approve Amendment No. 1 to Agreement No. CS-258A with Environmental Science Associates/Orion Environmental Joint Venture (JV), Agreement No. CS-258B with ICF Jones & Stokes, Inc./Panorama Environmental, Inc., JV, and Agreement No. CS-258C with URS Corporation, to perform environmental support services; and authorize the General Manager to negotiate and execute amendments to Agreement Nos. CS-258A-C, increasing each agreement by $2,450,000, for a total not-to-exceed amount of $7,300,000 per agreement, and increasing the duration of each contract by four years, for a total contract duration of nine years. (Resolution 18-0172)

    On Motion to approve item 12:
    Aye: Courtney, Caen, Moran and Kwon

    No public comment.

13. Approve the Water Supply Assessment for the proposed 598 Brannan Street Project, pursuant to State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Resolution 18-0173)

On Motion to approve item 13:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

14. Approve the Water Supply Assessment for the proposed 542-550 Howard Street Project, pursuant to State of California Water Code Section 10910 *et seq.*, California Environmental Quality Act (CEQA) Section 21151.9, and CEQA Guidelines Section 15155. (Resolution 18-0174)

On Motion to approve item 14:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

15. Approve the terms and conditions of, and authorize the General Manager to, execute the Second Amendment to the Office Lease dated November 18, 2013, between 544 Golden Gate Associates LLC as landlord, and the City and County of San Francisco, acting through the SFPUC as tenant, extending the term by four years for a total duration of nine years, and increasing the rent to $350,083 per year, with 4% annual increases thereafter. (Resolution 18-0175)

On Motion to approve item 15:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

16. Authorize the General Manager to execute an Inter-jurisdictional Personnel Exchange Agreement with the California Department of Water Resources (DWR), for the temporary loan of SFPUC employee Daniel L. Wade to spend up to 20% of his time to serve on a DWR Independent Review Board for a Comprehensive Needs Assessment for the Oroville Dam Complex, providing for DWR to reimburse SFPUC for Mr. Wade's time and expenses for an amount not to exceed $375,000, and with a term of approximately 21 months, from September 24, 2018 to June 30, 2020. (Resolution 18-0176)

On Motion to approve item 16:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

17. Approve the terms and conditions of a revocable license between the San Francisco Public Utilities Commission and Gerald F. Sullivan allowing the Power Enterprise to use Mr. Sullivan's real property and rock columns located at 10 Rockaway Avenue in San Francisco (Assessor's Block 2916, Lot 15), for the installation, operation, and maintenance of the Rockaway Avenue Streetlight Project, with no license fee, subject to Board of Supervisors' and Mayor's approval. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0177)

On Motion to approve item 17:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

18. Discussion and possible action to consent to the Development Agreement between the City and India Basin Investment LLC, substantially in the form and on the terms as outlined in the Development Agreement with respect to the items under the SFPUC's jurisdiction, and to authorize the General Manager to execute the SFPUC Consent; and adopt findings, pursuant to the California Environmental Quality Act, and a Mitigation and Monitoring and Reporting Program. (Resolution 18-0178)

DGM Carlin responded to a question from Vice President Caen as to whether the developer is required to accept the SFPUC.

On Motion to approve item 18:
Aye: Courtney, Caen, Moran and Kwon

No public comment.

19. Public Comment on matters to be addressed during Closed Session.
None.

20. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel.

On Motion to assert:
Aye: Courtney, Caen, Moran and Kwon

The Commission entered Closed Session at 2:46 PM.

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Claim:
Sherry Jackson v. City and County of San Francisco

Unlitigated File Nos.: 18-03009 and 18-02571
Date Filed: May 1, 2018
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $105,000.
(Resolution 18-0179)

22. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Litigation:
Sentinel Insurance Company, LTD v. City and County of San Francisco
San Francisco Superior Court Case No.: CGC-17-561235
Date Filed: September 12, 2017
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $600,000.
(Resolution 18-0180)

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Claim:
Jeffrey Schalk v. City and County of San Francisco
Unlitigated File No.: 18-02665
Date Filed: May 9, 2018
Proposed settlement of claim with plaintiff's release of all claims and the City to pay plaintiff $43,719.45.
(Resolution 18-0181)

The Commission exited Closed Session at 2:55 PM.

24. Announcement Following Closed Session.
None.

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a).

On Motion not to disclose:
Aye: Courtney, Caen, Moran and Kwon

26. Other New Business
None.

27. Adjournment
President Courtney adjourned the meeting at 2:56 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0169**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Renewal and Replacement (R&R) Program funded Contract No. WW-649, Paul Avenue Sewer Replacement, by the contractor, Shaw Pipeline, Inc.; and

WHEREAS, On April 25, 2017, by Resolution No. 17-0084, this Commission awarded Contract No. WW-649, Paul Avenue Sewer Replacement, in the amount of $736,410, to the lowest, qualified responsible and responsive bidder, Shaw Pipeline, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for June 5, 2017, with an original schedule of 145 consecutive calendar days and the contract work was completed in 181 consecutive calendar days on December 2, 2017; and

WHEREAS, The original contract amount was for $736,410 and the original contract duration was 145 consecutive calendar days; and

WHEREAS, On October 10, 2017, per Resolution No. 17-0213, this Commission approved an increase to the 10% contract duration contingency in the amount of 22 consecutive calendar days, increasing the total contract duration contingency to 36 consecutive calendar days, for a total revised contract duration up to 181 consecutive calendar days; and

WHEREAS, Modification No. 1 was issued for a time extension of 36 calendar days to allow for additional time needed for the contractor to coordinate work with San Francisco Public Works through the Excavation Permit process, increasing the contract duration to 181 consecutive calendar days; and

WHEREAS, Modification No. 2 was issued for $4,497 to adjust contract bid item quantities to match actual quantities completed, increasing the contract amount to $740,907; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) goal of 20% for this contract, and CMD has determined that the contractor substantially complied with the LBE subcontracting requirement by achieving a final LBE participation of 20.08%; and

WHEREAS, Funds are available from Project No. 10015668 – Paul Avenue Sewer Replacement; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Shaw Pipeline, Inc. for WWE, R&R Program funded Contract No. WW-649, Paul Avenue Sewer Replacement, for a total contract amount of $740,907, and with a total contract duration of 181 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Adair

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0170**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Wastewater Enterprise, Renewal and Replacement (R&R) Program-funded Contract No. WW-664, North Point Wet Weather Facility Sedimentation Tank Influent Gate Upgrades on July 16, 2018; and

WHEREAS, The Engineer's Estimate is $2,800,000 for this construction contract work to upgrade existing influent gates and related accessories; and

WHEREAS, The contract duration is 540 consecutive calendar days; and

WHEREAS, Two (2) bids were received and opened publicly on August 16, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Cal State Constructors, Inc. as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, The CMD established a Local Business Enterprise (LBE) subcontracting requirement of 16% for this contract, and the contractor committed to a LBE subcontracting participation of 20.73% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, SFPUC funds are available from Project No. CWWRNRTF75, North Point Facility Dewatering Pump Replacement and Sludge Crossover Line Upgrades; and

WHEREAS, This project does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Wastewater Enterprise, R&R Program-funded Contract No. WW-664, North Point Wet Weather Facility Sedimentation Tank Influent Gate Upgrades, in the amount of $2,741,000, with a duration of 540 consecutive calendar days, to the lowest, qualified, responsible and responsive bidder, Cal State Constructors, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0171**

WHEREAS, On October 25, 2011, per Resolution No. 11-0177, this Commission awarded Agreement No. CS-204, Fish Passage Facilities within the Alameda Creek Watershed to URS Corporation to provide engineering design and engineering support services during construction of fish passage facilities within the Alameda Creek Watershed as a sub-project (Project) to the Calaveras Dam Replacement Project, in the amount of $2,300,000 and with a duration of four years and 10 months; and

WHEREAS, On April 14, 2015, pursuant to Resolution No. 15-0088, this Commission approved Amendment No. 1 to increase the agreement amount by $1,964,580 to $4,264,580 and extend the agreement duration by two years and four months for a total agreement duration of seven years and two months, in order to provide additional design and engineering support during construction, start-up, commissioning, and close-out of the Project; and

WHEREAS, Amendment No. 2 is requested to increase the agreement amount by $500,000 to $4,764,580 and to extend the agreement duration by one year and five months for a total agreement duration of seven years and seven months, in order to provide additional engineering support during construction and engineering support services after construction; and

WHEREAS, The Contract Monitoring Division (CMD) established a subconsulting requirement of 17% Local Business Enterprise (LBE) participation, and URS Corporation committed to meet this goal, as part of the original Agreement; and

WHEREAS, The actual LBE participation as of August 2018 is 15.06% and URS Corporation plans to meet the 17% requirement; and

WHEREAS, Based on the cumulative contract dollar amount to date and projected amounts in Amendment No. 2, CMD has approved this amendment resulting in a projected LBE participation of 17% by the expiration of this agreement; and

WHEREAS, Funds for this agreement are available from Project CUW37401 – Calaveras Dam Replacement; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2 to Water Enterprise, Water System Improvement Program-funded Agreement No. CS-204, Fish Passage Facilities within the Alameda Creek Watershed with URS Corporation, to provide additional engineering support during construction and after construction, and authorizes the General Manager of the San Francisco Public Utilities Commission to negotiate and execute Amendment No. 2, increasing the agreement by $500,000 for a total agreement amount of $4,764,580, and increasing the duration by one year and five months for a total agreement duration of eight years and seven months.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0172**

WHEREAS, On January 28, 2014, by Resolution No. 14-0014, this Commission awarded Agreement Nos. CS-258A–C, As-Needed Sewer System Improvement Program and Hetchy System Improvement Program Environmental Services, funded by Sewer System Improvement Program (SSIP), Hetchy System Improvement Program Capital Improvement Projects (HCIP), and other capital projects from the Water, Wastewater, and Power Enterprises, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute three individual professional services agreements, each in the amount of $4,850,000 and each with a term of five years, with Environmental Science Associates/Orion Environmental Joint Venture (CS-258A), ICF Jones & Stokes, Inc./Panorama Environmental, Inc., Joint Venture (CS-258B), and URS Corporation, (CS-258C); and

WHEREAS, Amendment No. 1 to Agreement Nos. CS-258A–C is being requested to increase each of the agreements by $2,450,000, for a total not-to-exceed amount of $7,300,000 per agreement, and to increase the duration of each contract by four years for a total duration of nine years each, in order to continue providing environmental support to SSIP, HCIP, and other capital projects from the Water, Wastewater, and Power Enterprises; and

WHEREAS, The Contract Monitoring Division has established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for these agreements and Environmental Science Associates/Orion Environmental Joint Venture, ICF Jones & Stokes, Inc./Panorama Environmental, Inc., Joint Venture, and URS Corporation each committed to meet or exceed the 15% LBE subsonsulant participation requirement; and

WHEREAS, Funds for these agreements are available from the SSIP and HCIP projects, as well as from other capital projects from the Water, Wastewater, and Power Enterprises; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 1 to SSIP-funded, HCIP-funded, and Water, Wastewater, and Power Enterprise capital projects-funded Agreement Nos. CS-258A–C, As-Needed Sewer System Improvement Program and Hetchy System Improvement Program Environmental Services, with Environmental Science Associates/Orion Environmental Joint Venture (CS-258A), ICF Jones & Stokes, Inc./Panorama Environmental, Inc., Joint Venture (CS-258B), and URS Corporation (CS-258C) to continue to provide environmental analyses, surveys, and reports, and to prepare resource agency permit applications, and authorizes the General Manager to negotiate and execute amendments to CS-258A-C, increasing each agreement in the amount of $2,450,000 for a total not-to-exceed amount of $ 7,300,000 per agreement, and increasing the duration of each agreement by four years for a total duration of nine years each.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0173**

WHEREAS, Under the California Environmental Quality Act (CEQA) and Water Code (Section 10910(g)(1)), the San Francisco Public Utilities Commission (SFPUC) is required to prepare and approve a Water Supply Assessment (WSA) for the cumulative water demands presented by the proposed 598 Brannan Street Project, which would result in the development of a mix of residential; office; production, distribution and repair (PDR); institutional (child care); and commercial uses on an approximately 4.5-acre site located at 598 Brannan and 639, 645, and 649-651 Bryant streets, within the Central South of Market planning area of San Francisco, including approximately 922,290 gross square feet of office space and 72 residential units; and

WHEREAS, A WSA is an informational document that assesses the adequacy of water supplies to serve a project and is required to be prepared as part of the CEQA environmental review process; and

WHEREAS, Approval of a WSA as an informational document is not considered approval of a project as defined by CEQA; and

WHEREAS, A WSA must be approved at a public meeting by the governing body of the public water supplier that would serve the project; and

WHEREAS, The SFPUC staff prepared a WSA for the proposed 598 Brannan Street Project, which is attached hereto and concludes that there are adequate water supplies to serve the proposed project and cumulative retail water demands through the year 2035; and

WHEREAS, Between the years 2035 and 2040, the WSA concludes that there are adequate water supplies to serve the Proposed Project and cumulative retail water demands during normal years, single dry years, and the first year of a multiple dry year event, but a shortfall of 1.1 million gallons per day (mgd) is expected to occur during the second year or more of a multiple dry year event, which could result in rationing for SFPUC retail customers, including the proposed Project; now, therefore, be it

RESOLVED, This Commission approves the attached Water Supply Assessment, dated October 11, 2018, for the proposed 598 Brannan Street Project pursuant to the State of California Water Code Section 10910(g).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Wood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

October 11, 2018

TO: Commissioner Vince Courtney, President
Commissioner Ann Moller Caen, Vice President
Commissioner Francesca Vietor
Commissioner Anson Moran
Commissioner Ike Kwon

THROUGH: Harlan L. Kelly, Jr., General Manager

FROM: Steven R. Ritchie, Assistant General Manager, Water

RE: Water Supply Assessment for the 598 Brannan Street Project

---

1.0 Summary

1.1 Introduction

Under the Water Supply Assessment law (Sections 10910 through 10915 of the California Water Code), urban water suppliers like the San Francisco Public Utilities Commission (SFPUC) must furnish a Water Supply Assessment (WSA) to the city or county that has jurisdiction to approve the environmental documentation for certain qualifying projects (as defined in Water Code Section 10912 (a)) subject to the California Environmental Quality Act (CEQA). The WSA process typically relies on information contained in a water supplier's Urban Water Management Plan (UWMP), and involves answering specific questions related to the estimated water demand of the proposed project. This memo serves as the WSA for the proposed 598 Brannan Street Project ("proposed project"), for use in the preparation of an environmental impact report by the City and County of San Francisco Planning Department (case no. 2012.0640E, San Francisco Planning Department).

1.1.1 2015 Urban Water Management Plan

The SFPUC's most current UWMP is the UWMP update for 2015, which was adopted in June 2016. The water demand projections in the UWMP incorporated 2012 Land Use Allocation (LUA 2012) housing and employment growth projections from the San Francisco Planning Department. The water demand projections are presented in five-year increments through 2040, meeting Water Code requirements.

The WSA for a qualifying project within the SFPUC's retail service area[1] may use information from the UWMP. Therefore, ***the 2015 UWMP is incorporated via references throughout this WSA shown in bold, italicized text.*** The UWMP may be accessed at www.sfwater.org/uwmp.

[1] SFPUC's "retail service area" refers to water customers inside the City and County of San Francisco, as well as select areas outside of the City.

London Breed
Mayor

Vince Courtney
President

Ann Moller Caen
Vice President

Francesca Vietor
Commissioner

Anson Moran
Commissioner

Ike Kwon
Commissioner

Harlan L. Kelly, Jr.
General Manager

1.1.2 Basis for Requiring a WSA for the Proposed Project

The proposed project has not been the subject of a previous WSA, nor has it been part of a larger project for which a WSA was completed. The proposed project qualifies for preparation of a WSA under Water Code Section 10912(a) because it is a mixed-use development that includes more than 250,000 square feet of commercial office space. The proposed project is characterized further in Section 1.2.

1.1.3 Conclusion of this WSA

In this WSA, the SFPUC concludes that there are adequate water supplies to serve the proposed project and cumulative retail water demands through 2035. Between 2035 and 2040, there are adequate water supplies to serve the proposed project and cumulative retail water demands during normal years, single dry years, and the first year of a multiple dry year event, but a shortfall is expected to occur during the second year or more of a multiple dry year event. Additional information on supply sufficiency is provided in Section 4.2, Findings.

1.2 Proposed Project Description

Tishman Speyer proposes to develop a mix of residential, office, production, distribution and repair (PDR), institutional (child care), and commercial uses on an approximately 4.5-acre site located at 598 Brannan and 639, 645, and 649-651 Bryant streets, within the Central South of Market planning area of San Francisco. The proposed project would include the demolition and removal of four existing 1- and 2-story commercial, industrial, and warehouse buildings totaling approximately 70,400 square feet and associated surface parking lots and construction of four 7- to 13-story buildings totaling approximately 1,064,050 gross square feet (gsf) in size, not including approximately 137,200 gsf of sub-grade parking, loading, and mechanical areas. Three of the proposed buildings would include a total of approximately 922,290 gsf of office space, which includes approximately 39,000 gsf of cafeteria space, 5,300 gsf of institutional (child care) use, and approximately 74,400 gsf of ground-floor PDR/commercial space, and the fourth building would include a total of approximately 72 residential units (62,060 gsf). Parking would be provided within two single-level below-grade parking garages with a total of approximately 308 vehicle parking spaces serving the office and PDR/commercial uses; no off-street parking would be provided to serve the residential use. Approximately 19,420 gsf of privately owned public open space would be provided throughout the site and an approximately 38,000-sf public park is proposed at the center of the site.

Construction is anticipated to be completed by 2025. For additional details on the proposed project, including building-specific uses, phasing, and potential water reuse schemes, see Attachment B.

2.0 Water Supply

This section reviews San Francisco's existing and planned water supplies.

2.1 Regional Water System

See ***Section 3.1 of the UWMP*** for descriptions of the Regional Water System (RWS) and ***Section 6.1 of the UWMP*** for water rights held by City and County of San Francisco and the SFPUC Water System Improvement Program (WSIP).

2.2 Existing Retail Supplies

Retail water supplies from the RWS are described in ***Section 6.1 of the UWMP***.

Local groundwater supplies, including the Westside Groundwater Basin, are described in ***Section 6.2.1 of the UWMP***.

Local recycled water supplies, including the Harding Park Recycled Water Project and Pacifica Recycled Water Project, are described in ***Section 6.2.1 of the UWMP***.

2.3 Planned Retail Water Supply Sources

The San Francisco Groundwater Supply Project is described in ***Section 6.2.2 of the UWMP***. Since publication of the UWMP, four wells have been completed and the start-up phase of the project has begun. Starting in April 2017, small amounts of groundwater have been blended with RWS supplies for drinking water. Two remaining wells are under construction as part of the next phase of the project.

The proposed Westside and Eastside Recycled Water Projects, as well as non-potable water supplies associated with onsite water systems implemented in compliance with San Francisco's Non-potable Water Ordinance (Health Code Chapter 12C), are also described in ***Section 6.2.2 of the UWMP***.

2.4 Summary of Current and Future Retail Water Supplies

A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in normal years is provided in ***Section 6.2.5 of the UWMP***.

2.5 Dry-Year Water Supplies

A description of dry-year supplies developed under WSIP is provided in ***Section 7.2 of the UWMP***. Other water supply reliability projects and efforts that are currently underway or completed are described in ***Section 7.4 of the UWMP***. Since publication of the UWMP, the following milestones have occurred:

- Calaveras Dam Replacement Project – Construction of the new dam was completed in September 2018, while the remainder of the overall project will be completed in spring 2019.
- Regional Groundwater Storage and Recovery Project – Construction of this project is still underway. Phase 1 of the project, consisting of installation of 13 production wells, will be completed in 2019. Since May/June 2016, the project has been in a storage phase through periodic deliveries of RWS surface water in lieu of groundwater pumping by Daly City, San Bruno, and the California Water Service Company.

A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in multiple dry years are provided in ***Section 7.5 of the UWMP***. For a single dry year, the breakdown of water supply sources would be the same as those in a normal year.

3.0 Water Demand

This section reviews the climatic and demographic factors that may affect San Francisco's water use, projected retail water demands, and the demand associated with the proposed project.

3.1 Climate

San Francisco has a Mediterranean climate. Summers are cool and winters are mild with infrequent rainfall. Temperatures in the San Francisco area average 57 degrees Fahrenheit annually, ranging from the mid-40s in winter to the upper 60s in late summer. Strong onshore flow of wind in summer keeps the air cool, generating fog through September. The warmest temperatures generally occur in September and October. Rainfall in the San Francisco area averages about 22 inches per year and is generally confined to the "wet" season from late October to early May. Except for occasional light drizzles from thick marine stratus clouds, summers are nearly

completely dry. A summary of the temperature and rainfall data for the City of San Francisco is included in Table 1.

Table 1: San Francisco Climate Summary

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Monthly Rainfall (inches)
January	58.0	45.7	4.36
February	60.3	47.3	4.41
March	61.4	48.1	2.98
April	62.3	49.1	1.38
May	63.2	50.9	0.68
June	64.8	52.7	0.18
July	65.6	54.3	0.02
August	66.6	55.3	0.06
September	68.1	55.0	0.19
October	67.8	53.3	1.04
November	61.2	48.1	2.85
December	58.3	45.9	4.33
Annual Average	**63.3**	**50.6**	**22.45**

Source: Western Regional Climate Center (www.wrcc.dri.edu), 1981-2010 data from two San Francisco monitoring stations (Mission Dolores/SF#047772 and Richmond/SF#047767).

3.2 Projected Growth

Projections of population growth in the retail service area through 2040 are presented in ***Section 3.2.2 of the UWMP***. The corresponding LUA 2012 projections for housing and employment in San Francisco, which are incorporated into the projected retail water demands, are provided in ***Appendix E of the UWMP***.

3.3 Projected Retail Water Demands

For the 2015 UWMP, the SFPUC developed a new set of models that incorporate socioeconomic factors to project retail demands through 2040. These models incorporate the latest housing and employment projections from LUA 2012. ***See Section 4.1 of the UWMP*** for tabulated retail water demand projections through 2040 and a description of the model methodology.

3.4 Proposed Project Water Demand

Tishman Speyer's consultants provided a memo describing the methods and assumptions used to estimate the water demand of the proposed project, along with the resulting demand (Attachment B). The SFPUC reviewed the memo to ensure that the methodology is appropriate for the types of proposed water uses, the assumptions are valid and thoroughly documented along with verifiable data sources, and a professional standard of care was used. The SFPUC concluded that the demand estimates provided by Tishman Speyer's consultants are reasonable. Water demand associated with the proposed project over the 20-year planning horizon is shown in the following table.

Table 2: Water Demand Based on Project Phasing

Demand of Proposed Project (mgd)	2020	2025	2030	2035	2040
Potable Demand	--	0.021	0.021	0.021	0.021
Non-potable Demand	--	0.006	0.006	0.006	0.006
Total Demand	--	0.027	0.027	0.027	0.027

mgd = million gallons per day

Note:
The project would be constructed over a 5-year period between 2020 and 2025.

The San Francisco Planning Department has determined that the proposed project is encompassed within the projections presented in LUA 2012 as indicated in the letter from the Planning Department to the SFPUC (Attachment A). Therefore, the demand of the proposed project is also encompassed within the San Francisco retail water demands that are presented in ***Section 4.1 of the UWMP***, which considers retail water demand based on the LUA 2012 projections. The following table shows the demand of the proposed project relative to total retail demand.

Table 3: Proposed Project Demand Relative to Total Retail Demand

	2020	2025	2030	2035	2040
Total Retail Demand (mgd)[1]	77.5	79.0	82.3	85.9	89.9
Total Demand of Proposed Project (mgd)	0.027	0.027	0.027	0.027	0.027
Portion of Total Retail Demand[2]	0.03%	0.03%	0.03%	0.03%	0.03%

Notes:
1. Retail water demands per ***Table 4-1 of the UWMP***.
2. The proposed project is accounted for in the LUA 2012 projections and subsequent retail water demand projections.

4.0 Conclusion

4.1 Comparison of Projected Supply and Demand

Section 7.5 of the UWMP compares the SFPUC's retail water supplies and demands through 2040 during normal year, single dry-, and multiple dry-year periods. See Table 4, below, which is adapted from the UWMP (Table 7-4). As explained previously in Section 3.4, water demands associated with the proposed project are already captured in the retail demand projections presented in the UWMP. The proposed project is expected to represent 0.03 percent of the total retail water demand. Total retail demands correspond to those in ***Table 4-1 of the UWMP***, and reflect both passive and active conservation, as well as water loss. Total retail supplies correspond to those in ***Table 6-7 of the UWMP***. Procedures for determining RWS supply availability are described in ***Section 8.3 of the UWMP***.

As explained previously in Section 3.4, water demands associated with the proposed project are already captured in the retail demand projections presented in the UWMP. The proposed project is expected to represent 0.03% of the total retail water demand.

As shown in Table 4, a 1.1 mgd shortfall is anticipated should the SFPUC enter the second or third year of a dry year event after 2035. This shortfall is approximately 1.2% of total retail demand. During a water supply shortage, the SFPUC may invoke its Retail Water Shortage Allocation Plan (see ***Appendix L of the UWMP***), which could potentially include a reduction of system deliveries and imposition of mandatory rationing. However, the recent drought ending in 2017 demonstrated that the SFPUC's retail customers are capable of collectively reducing consumption beyond the voluntary 10% reduction that SFPUC requested. Based on this recent experience, the SFPUC anticipates that its customers will be responsive to future calls for voluntary rationing and the subsequent reduction in demand will make up for the projected shortfall of 1.1 mgd.

Table 4: Projected Supply and Demand Comparison (mgd)

		Normal Year	Single Dry Year	Multiple Dry Years		
				Year 1	Year 2	Year 3
2020	Total Retail Demand	77.5	77.5	77.5	77.5	77.5
	Total Retail Supply	77.5	77.5	77.5	77.5	77.5
	Surplus/(Deficit)	0	0	0	0	0
2025	Total Retail Demand	79.0	79.0	79.0	79.0	79.0
	Total Retail Supply	79.0	79.0	79.0	79.0	79.0
	Surplus/(Deficit)	0	0	0	0	0
2030	Total Retail Demand	82.3	82.3	82.3	82.3	82.3
	Total Retail Supply	82.3	82.3	82.3	82.3	82.3
	Surplus/(Deficit)	0	0	0	0	0
2035	Total Retail Demand	85.9	85.9	85.9	85.9	85.9
	Total Retail Supply	85.9	85.9	85.9	85.9	85.9
	Surplus/(Deficit)	0	0	0	0	0
2040	Total Retail Demand	89.9	89.9	89.9	89.9	89.9
	Total Retail Supply	89.9	89.9	89.9	88.8	88.8
	Surplus/(Deficit)	0	0	0	(1.1)	(1.1)

The LUA 2012 projections result in a retail demand in 2035 of 85.9 mgd, which represents a 5.0 mgd, or 6%, increase over the 2035 demand projected in the 2010 UWMP. The ability to meet the demand of the retail customers is in large part due to development of 10 mgd of local WSIP supplies, including conservation, groundwater, and recycled water. These supplies are anticipated to be fully implemented over the next 10 to 15 years.

If the planned future water supply projects described in Section 2.3 are not implemented, normal-year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during normal years, the SFPUC may import additional water from the RWS. If total water deliveries exceed 265 mgd, additional imports would be subject to mitigation that must be implemented by the SFPUC as identified in the SFPUC's 2008 findings of approval for the WSIP (Commission Resolution No. 08-0200).

If the dry-year supply projects described in Section 2.5 are not implemented, existing dry year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during dry years, the SFPUC may reduce system deliveries and impose customer rationing.

The SFPUC remains committed to meeting the level of service goals and objectives outlined under WSIP. In addition, the SFPUC continues to explore other future supplies, including:

- Development of additional conservation and recycling.
- Development of additional groundwater supplies.
- Securing of additional water through transfers.
- Increasing import of Tuolumne River supplies.

4.2 Findings

Regarding the availability of water supplies to serve the proposed project beginning in 2025, the SFPUC finds, based on the entire record before it, as follows:

- Through 2035, with the addition of planned local supplies, the SFPUC has sufficient water supplies to serve its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development, during normal years, single dry years, and multiple dry years.
- Between 2035 and 2040, with the addition of planned local supplies, the SFPUC has sufficient water supplies available to serve its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development, during normal years, single dry years, and the first year of a multiple dry year event.
- Between 2035 and 2040, the SFPUC anticipates a 1.1 mgd retail supply shortfall beyond the first year of a multiple dry year event (*e.g.*, during the second and third years), even with the addition of planned local supplies. To address this shortfall, the SFPUC may invoke its Retail Water Shortage Allocation Plan (see ***Appendix L of the UWMP***) and impose a minimum of 1.2% rationing in the retail service area in order to maintain service to its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development.

Approval of this WSA by the Commission is not equivalent to approval of the development project for which the WSA is prepared. A WSA is an informational document required to be prepared for use in the City's environmental review of a project under CEQA. It assesses the adequacy of water supplies to serve the proposed project and cumulative demand.

Furthermore, this WSA is not a "will serve" letter and does not verify the adequacy of existing distribution system capacity to serve the proposed project. A "will serve" letter and/or hydraulic analysis must be requested separately from the SFPUC City Distribution Division to verify hydraulic capacity.

If there are any questions or concerns, please contact Steve Ritchie at (415) 934-5736 or SRitchie@sfwater.org.

Attachment A –

Communications from San Francisco Planning Department

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: June 13, 2013

TO: SF Planning EP Planners & SFPUC Planners

FROM: Scott T. Edmondson, AICP; Aksel Olsen

RE: Project Types Represented in the Land Use Allocation

This Memorandum explains the Planning Department's Land Use Allocation (LUA) and the types of projects included in the LUA. The 2012 LUA is the most recent update and uses the Association of Bay Area Governments' (ABAG) May 2012 Jobs-Housing Connection Scenario. As this memorandum explains, the Planning Department expects that the LUA will encompass the vast majority of development proposals that project sponsors will present to the Planning Department. This memorandum also identifies possible unusual circumstances under which EP Planners and the SF PUC Planners may want to consult further with the Planning Department's Information and Analysis Group to determine whether a project is encompassed within the LUA.

ABAG's Projections of San Francisco's Economic Growth and the LUA

The LUA takes ABAG's 30-year projections of citywide household and job growth and allocates them to smaller geographic units, in this case, the traffic analysis zones of the SF Transportation Authority's Countywide Transportation Model. Thus, the LUA does not project growth but simply allocates ABAG's growth projections to subarea locations within the city. The current 2012 LUA uses ABAG's Jobs-Housing Connection Scenario projections for San Francisco and covers the period from 2010 to 2040; these projections were released in May 2012 and are represented in five-year increments.

ABAG derives its demographic and economic growth projections from assumptions about long-term demographic and economic growth.[1] ABAG maintains its own set of regional models and develops each forecast with its in-house experts and private economic consultants.[2] The forecasting is informed by the best information and assumptions available through federal and State agencies, such as the State Department of Finance, and private sources. However, ABAG develops its forecast based on local knowledge from over 50 years of forecasting and develops the forecast to reflect local conditions in contrast to more general forecasting assumptions of State or federal sources. ABAG's estimate of total citywide growth for the 30-year period is expected to best represent actual growth at the end of the 30-year period. However, projected growth for any portion of the projection period, such as growth in a one-year or a five-year period, would be expected to vary from actual growth in such periods. Within the 30-year growth projection period, higher than average growth periods could be followed by lower than average growth periods such that growth over the period would ultimately equal the projected 30-year

total. All projection methodologies make assumptions based on the best available information at the time. To minimize the effects of imprecision intrinsic to any projections methodology when used in for planning decisions, ABAG follows professional best practices and updates its projections every two years. Accordingly, the Planning Department updates its LUA every two years. The planning practice of frequently updating projections and plans allows the incorporation of new information over time to provide for the most up-to-date projections.

The SFPUC updates its Urban Water Management Plan (UWMP) every five years. The UWMP typically relies on LUA projections or similar information. But, because the LUA is updated every two years, the SFPUC may want to review the LUA issued within SFPUC's 5-year UWMP cycle; and if it varies in a significant way from the SFPUC's projections used in its UWMP, discuss with Planning whether it should make any changes in its own water supply needs assessment during an UWMP cycle.

Types of Projects Included in the LUA

The LUA translates ABAG's projected household and job growth into total expected development in San Francisco over a 30-year period. The LUA translates ABAG's household growth into residential housing units and ABAG's job growth into commercial space.[3] Thus, the LUA projections of housing units and commercial space include all project types expected from San Francisco growth, such as housing, office, retail, production-distribution-repair (PDR), visitor, and cultural-institutional-educational (CIE). The LUA does not exclude any project type or potential growth. As such, the LUA and the ABAG economic projections upon which it is based contain the best estimates available of reasonably foreseeable growth and development in San Francisco over a 30-year period.

Unusual Circumstances

The LUA can be considered to include all reasonably expected growth and development and it is frequently updated to correct for expected variations. Nevertheless, there are possible unusual circumstances under which the EP Planners or SFPUC Planners may want to request further Planning Department consultation with the Information and Analysis Group to determine if a particular project falls within the LUA. ABAG's projections and the Department's LUA take into account urban economic trends and based on that information capture all reasonably foreseeable growth in San Francisco. Limited capital and aggregate demand of any urban economy constrains growth. However, occasionally the reality or perception may arise that a project lies outside the normal growth constraints of the San Francisco economy for some reason, and therefore lies outside ABAG's projection's and the Department's current spatial allocation in its LUA.

One can envision the rare case of a project arising outside the City's economy (demand and capital) from an organization not located in San Francisco using nonprofit foundation funds or private donations to construct a large institutional project in San Francisco, such as a major hospital, a university, or an office complex. These projects would represent spending and demand beyond that normally active in the San Francisco economy, and therefore represent net additions to projected growth beyond that captured by ABAG's projections and reflected in the Department's LUA. Indicative characteristics of such projects

would include those with non-local sponsors, of large size, and for an institutional land use. Alternatively, very large project proposals from local project sponsors active in the SF economy involving a large site, land assembly, a planned unit development (PUDs), master plans, or area plan and rezoning proposals may warrant individual assessment for a range of reasons even though they are likely captured in ABAG's projections and the LUA. Such projects would be similar to recent projects such as Hunters Point/Candlestick, Park Merced, Treasure Island, Pier 70 Master Plan, Eastern Neighborhoods, or the Transit Center District Plan.

The bi-annual update of ABAG's projections and the LUA would be able to capture development associated with such projects. However, should such a project be proposed between updates, the EP Planners and SFPUC could treat its appearance as sufficient cause to request the Planning Department's assistance in determining whether to consider the project outside the latest LUA projections.

---

[1] Please see ABAG's summary of its research and forecasting on its website: http://www.abag.ca.gov/planning/research/index.html

[2] ABAG describes its current Jobs-Housing Scenario policy-based forecast here: http://onebayarea.org/pdf/JHCS/May_2012_Jobs_Housing_Connection_Strategy_Appendices_Low_Res.pdf.

[3] The LUA citywide totals only differ slightly, up to within one percent of ABAG totals (+/-). The difference is produced by LUA's complex method of translating ABAG projections into development (residential units and commercial space) and allocating total citywide growth to subarea locations. The minor difference between the LUA and ABAG citywide totals is real in absolute terms, but not in the sense that they are different projections. The one percent difference does not constitute a difference of projections. ABAG and MTC consider variation of one percent in citywide totals, plus or minus, as sufficiently representing ABAG's projections for consistency with the MTC regional projections and modeling purposes (congestion management, etc.). Even if a few versions of the LUA must be done to make minor subarea spatial allocation corrections, as long as the LUA's citywide totals are within one percent of ABAG's projections, and ABAG's projections have not changed, the LUA citywide totals have not effectively changed either. Any of those LUA versions' citywide totals fully represent the same unchanged ABAG projection totals.

Attachment B –

598 Brannan Street Project Demand Memo

SAN FRANCISCO
PLANNING DEPARTMENT

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: September 19, 2018

TO: Fan Lau, SFPUC

FROM: Diane Livia, Environmental Planning

CC: Rick Cooper, Environmental Planning

RE: 598 Brannan St. Project, Case #2012.0640E, Water Supply Assessment Request

The purpose of this memorandum is to request that the San Francisco Public Utilities Commission (SFPUC) prepare a Water Supply Assessment (WSA) for the proposed 598 Brannan Street mixed use office/residential project, in compliance with CEQA Guidelines Section 15155 and Sections 10910 through 10915 of the California Water Code. The current project site of four lots in the South of Market totals about 4.5 acres in area, containing four one to two-story buildings for various light industrial and storage uses. As indicated in the attached development summary spreadsheet, the project sponsor, Brannan & Bryant Street, LLC (Tishman Speyer), proposes to construct four new buildings. Building 4 would contain 72 residential units, retail/PDR non-food service space and Retail/PDR food service space. In addition, two below grade parking and loading areas are proposed. Landscaped (turf grass, green roof and other landscaping) areas would also be provided.

The project sponsor has provided project information intended to meet the requirements outlined in the SFPUC guidance memo dated September 6, 2016. The project is proposed to be constructed over a five-year period between 2020 and 2025. A summary of the project description, proposed average daily water demands, and supporting tables prepared by the project sponsor's consultant (based on the SFPUC Non-Potable Water Calculator Version 7), are attached. Non-Potable Water Calculator spreadsheets for the proposed project are also attached.

Should you have questions or need additional information from the Planning Department or the project sponsor, please contact Diane Livia at 415-575-5785 (diane.livia@sfgov.org) or Chris Thomas at 415-575-9036 (christopher.thomas@sfgov.org).

DATE: September 18, 2018

TO: Chris Thomas, Environmental Planner
415-575-9036; christopher.thomas@sfgov.org

FROM: Judith Malamut, LSA
Steve Minden, Design & Construction Tishman Speyer
(213) 458-1272 sminden@tishmanspeyer.com

SUBJECT: Water Supply Assessment for 598 Brannan Street Project

General Information

Environmental Planning case number	**2012.0640E**
estimated construction date	Q4 2019
Environmental Planning case manager	Kansai Uchida
project address and block/lot	**598 Brannan Street** 3777/45, 50, 51, and 52
current land use	See table below
project site size in square feet and acres	196,020 square feet
days of operation per year for the project	365

Current Land Use

Assessor's Block-Lot	Street Address	Building	Year Built	Existing (gsf)	Use	Building Tenant	Employees
3777-45	598 Brannan Street	2-story industrial	1952	38,200	Dog daycare	K9 Playtime, Inc.	10
					Surface parking lot (272 spaces)	Tower Parking	3
3777-50	649-651 Bryant Street	2-story industrial	1954	10,000	Warehouse and offices	SFPUC	50
3777-51	645 Bryant Street	1-story industrial	1954	16,000	Body shop/auto repair	Eur-Asia Motors	15
3777-52	639 Bryant Street	1-story industrial	1990	6,200	Utility yard	SFPUC	NA [a]
			Total	**70,400**			78

Project Description

The proposed 598 Brannan Street Project (proposed project) would result in the development of a mix of residential, office, production, distribution and repair (PDR), institutional (child care), and commercial uses on an approximately 4.5-acre site (Assessor's Block 3777, Lots 45, 50, 51, and 52) located at 598 Brannan and 639, 645, and 649-651 Bryant streets, within the Central South of Market (SoMa) planning area of San Francisco. The project would include the demolition and removal of four existing one- and two-story commercial, industrial, and warehouse buildings totaling

[a] Employment for the 639 Bryant Street site is the same as the 649-651 Bryant Street site.

approximately 70,400 square feet and associated surface parking lots and construction of four 7- to 13-story buildings totaling approximately 1,064,050 gross square feet (gsf) in size, excluding approximately 137,200 gsf of sub-grade parking, loading, and mechanical areas. Three of the buildings would include a total of approximately 922,290[b] gsf of office space, which includes approximately 39,000 gsf of cafeteria space (estimated size only, actual size may vary depending on tenants), approximately 5,300 gsf of institutional (child care) use, and approximately 74,400 gsf of ground-floor PDR/commercial space, and the fourth building would include a total of approximately 72 residential units (62,060 gsf). Please note that in the SFPUC calculator (attached), the project indicates 83,889 square feet of retail/PDR food service and future cafeteria as well as 23,998 square feet of non-food service retail/PDR for buildings 1, 2, and 3 (Phases 1 and 2). For building 4, the residential building (Phase 3), the SFPUC calculator has been filled out to assume 2,932 square feet of food service retail/PDR and 2,583 square feet of non-food service retail/PDR use. Parking would be provided within two, single-level below-grade parking garages with a total of approximately 308 vehicle parking spaces serving the office and PDR/commercial uses; no off-street parking would be provided to serve the residential use. Approximately 19,420 gsf of privately owned public open space would be provided throughout the site and an approximately 38,000-square-foot public park is proposed at the center of the site.

Water Demand Based on Project Phasing

	2015	2020	2025	2030	2035	2040
Phase 1: Office Towers 1&2			0.0156	0.0156	0.0156	0.0156
Phase 2: Office Tower 3			0.0053	0.0053	0.0053	0.0053
Phase 3: Residential Building			0.0065	0.0065	0.0065	0.0065
Total demand of proposed project			**0.0274**	**0.0274**	**0.0274**	**0.0274**

Notes:

1.) If the proposed project would be phased over time, the project proponent shall also provide water demand estimates that reflect project phasing over the next 20 years in 5-year increments.

2.) The project will be phased as described above. All phases are expected to be completed between 2021 and 2025. The exact timing of the phases will depend on timing of entitlements and market considerations.

3.) All data shown in the table are in units of million gallons per day (MGD)

[b] The 922,290 gsf of office space in project description includes the 39,000 gsf of cafeteria space. For the purposes of the water calculator the office space has been estimated to be 883,291 and the cafeteria space is 39,000.

Water Demand by Project Phase and Use

Phase	Indoor Water Demand (1) (2)			Outdoor Water Demand (1)(3)	Total Demand	
	Commercial	Multi Family Residential	HVAC/ Cooling (4)	Irrigation (1)	Average mg/day	Average mg/year
Phase 1 (Buildings 1 & 2)	4.0970	-	1.4620	0.1354	0.0156	5.69
Phase 2 (Building 3)	1.2820	-	0.4747	0.1676	0.0053	1.92
Phase 3 (Building 4)	0.1066	2.2708	-	-	0.0065	2.38
Total	**5.4856**	**2.2708**	**1.9367**	**0.3030**	**0.0274**	**9.99**

(1) Daily average i.e. millions of gallons per year/365 days per year. Demand estimates are independent of the building scale or district scale systems and are the estimates are the same regardless of which system is selected.
(2) See SFPUC Calculator Tab 2.
(3) See SFPUC Calculator Tab 4.
(4) The calculation of monthly water use for cooling towers is based on calculated values for cooling tower evaporation, cycles of concentration and drift. These calculations are based on load profiles of the project and the associated weather data. The calculated cooling tower make up water loads are based on the factors listed in the table.

OVERALL SITE WATER MANAGEMENT APPROACH

The project must comply with the Stormwater Management Requirements (SMR) regulated by the San Francisco Public Utilities Commission (SFPUC), which requires new and redevelopment projects to manage stormwater runoff using green infrastructure (GI) where feasible. GI is a stormwater management strategy that takes advantage of sustainable processes, such as infiltration and rainwater harvesting, to manage stormwater runoff at its source.

As the project site is within the Combined Sewer System (CSS) area with an existing imperviousness of greater than 50%, the SMR requires a stormwater management plan that reduces the stormwater runoff rate and volume by 25% relative to pre-development conditions for the 2-year, 24-hour design storm. Additionally, the SMR requires project applicants to assess the feasibility of meeting this requirement using rainwater harvesting before looking to other stormwater management/GI approaches such as bioretention planters, permeable pavement, or green roofs.

For projects in the CSS with challenging site constraints, the SFPUC has developed a Modified Compliance Program that allows qualifying projects to decrease the volume reduction percentage requirement in combination with an equivalent increase in the peak flow percentage reduction. However, as per the SFPUC Modified Compliance Application, this project is not eligible as it is within the recycled water use area and will generate a non-potable demand (including irrigation, toilet/urinal flushing, and cooling) greater than 2,500 gpd/acre.

Given the project site's unfavorable soil conditions, the most feasible GI technologies are: rainwater harvesting, green roofs, and flow-through bioretention planters. Due to the relatively high imperviousness assumed for the proposed project, the reduced performance of lined flow-through bioretention planters, and the SFPUC's

technology priorities, rainwater harvesting is the best approach for achieving compliance efficiently. The inclusion of additional GI elements (such as green roofs and/or under drained pervious hardscape that does not accept runoff from adjacent impervious surfaces) will decrease the total rainwater cistern volume required by reducing the amount of stormwater runoff produced.

The project also meets the criteria to comply with the City's Non-potable Ordinance (NPO), which requires that new developments with greater than 250,000 square feet of gross floor area implement an onsite water reuse system to meet non-potable demands. Additionally, the project is subject to the Recycled Water Ordinance (RWO), which requires qualifying projects (e.g., have a gross square footage of 40,000 sf or more) located in the designated recycled water use areas to provide building dual-plumbing for the following uses: irrigation, flushing toilets and urinals, and cooling.

The NPO requires that qualifying projects capture rainwater (defined as runoff from building roofs and other above-ground surfaces, distinct from stormwater which in this context refers to runoff from at- or below-grade surfaces), graywater (wastewater from showers, bathroom sinks, and laundry), and foundation drainage (nuisance subsurface water collected to maintain a buildings structural integrity or to dewater below grade floors that would typically be discharged into the CSS) and use these alternate water sources to meet the following non-potable demands: toilet/urinal flushing and irrigation. To the maximum extent practicable, the project must either meet 100% of these required non-potable demands or utilize 100% of the available rainwater, graywater, and foundation drainage. Other non-potable demands, such as cooling tower makeup water or clothes washers, are not required but may be met by the water reuse system at the project's discretion.

As this project is subject to the requirements of the SMR, NPO, and RWO, there is a clear synergy in pursuing a compliance strategy involving a non-potable water reuse system that prioritizes the collection and use of rainwater to meet the SMR and incorporates available graywater to meet the NPO. Efficiencies may be achieved with a district-scale reuse system configuration that combines all building sources at a single centralized storage and treatment location as opposed to separate and independent storage and treatment equipment associated with each building. The characteristics of these two approaches (building-scale and district-scale) are discussed in more detail below.

A water balance analysis of the potential alternative sources and projected non-potable demands was based on:

- Building gross square footage (GSF) provided by MMA
- Occupancy load factors per the SFPUC Non-potable Water Calculator and confirmed with MMA
- Building cooling tower makeup water demand and fixture flowrates provided by PAE
- Pervious and irrigated open space areas provided by TLS
- Building terrace and roof planter areas provided by MMA

It was decided that foundation drainage is likely an infeasible source to account for due to minimal anticipated supply, and probable contamination issues even if present. Collecting graywater from residential laundry was determined to be a viable source at this stage of the project and is included as a component of the Building 4 supply. Additionally, though not an end use demand required to be met by the NPO, the building cooling tower make up water demand was included as a component of the systems in both alternatives. This additional demand on the reuse system provides dual performance benefits, both improving the ability to meet the SMR requirements

with a reduced cistern size (with greater demands on the system, more of the supply in storage is used each day and the system can regenerate volume available to manage future storms more quickly) and increasing the annual volume of potable water offset.

WATER REUSE SYSTEM ALTERNATIVES

Alternative 1 – Building-Scale would implement water reuse systems separately at each building. These individual systems would each collect rainwater and graywater from the associated building for storage, treatment, and use within the same building. It is anticipated that the equipment for these systems will be in building basement locations (or in the case of Building 4 that does not have a basement, within a first-floor room) that are accessible for regular operations and maintenance. This alternative would require a total of 64,000 gallons of rainwater storage, divided between the different buildings, to meet the stormwater management requirements. This alternative is projected to offset an annual volume of potable water equal to 59% of the non-potable demands that are required by the NPO. Although this scenario would not be able to meet 100% of the project's required non-potable demands with non-potable water, it still complies with the NPO since it is maximizing the available sources (graywater and rainwater). System infrastructure (including tanks, treatment systems, and collection and distribution elements) is described in more detail in the Plumbing drawings and narrative.

Alternative 2 – District-Scale would implement a single integrated water reuse system for the entire project. The rainwater and graywater supply from all four buildings would be collected and piped to the centralized system, located in the basement of Building 1 & 2 and sized to manage the flow from all buildings at full buildout. The rainwater and graywater would be stored and treated separately before combining in a treated water holding tank for non-potable water distribution throughout the project, supplying new demands (such as Buildings 3 and 4) as they are constructed. This alternative would require 60,000 gallons of rainwater storage to meet the stormwater management requirements and is projected to offset an annual volume of potable water equal to 95% of the non-potable demands that are required by the NPO. System infrastructure (including tanks, treatment systems, and collection and distribution elements) is described in more detail in the Plumbing drawings and narrative.

ONSITE DRAINAGE

Both water reuse system alternatives have been designed to meet the SFPUC Stormwater Management Requirements via rainwater harvesting, so additional retention and/or detention of stormwater runoff with green infrastructure facilities such as bioretention planters and permeable pavement will not be required. However, the drainage design will strive to further reduce the amount of stormwater entering the combined sewer system by implementing the following strategies:

- Reduce the amount of impervious surface wherever practical. Increases in pervious areas may allow for a decrease in the calculated rainwater cistern volumes, or show that the project is going beyond the minimum stormwater management requirements.
- Use permeable pavement systems in pedestrian-traffic areas and where there is no run-on from adjacent paved surfaces. By only infiltrating the rainfall that falls directly on the permeable pavement surface, the system will function like a landscape area. Depending on the infiltrative properties of the soil, underdrains may be required to ensure water within the aggregate layer adequately drains. SFPUC may require that the

project's environmental consultant provide a letter verifying that the water infiltrating through the permeable pavement will not pose a threat to the groundwater table given that the project is in a Maher Area.

- Sheet flow paved surfaces onto adjacent landscape to encourage infiltration, filtration, and attenuation of the runoff prior to it being directed into drain inlets. Draining hardscape surfaces onto landscape surfaces has the additional benefit of decreasing the number of drainage inlets, trench drains, etc. within the pedestrian areas.

The site drainage infrastructure will consist of drain inlets, area drains, trench drains, cleanouts, and HDPE storm drain piping. Drain grates within accessible routes of travel will need to be ADA compliant. Drains within landscape areas will have atrium grates where blockage caused by landscape debris is a concern. The storm drain pipe network will be sized to carry the 10-year storm flow at a minimum to the CSS within adjacent streets and alleys. Sand traps meeting city standards will be provided at each connection point. At this stage, it is assumed that the site storm drain system will join with the building sewer lines immediately upstream (and within the property boundary) of the new connections.

Attachments: SFPUC District Scale Non-Potable Water Calculator v.7 for 598 Brannan Street Project
Overall Site Water Management Strategy Plan

END

NON-POTABLE WATER CALCULATOR

Project Summary Sheet

Project Contact: Steve Minden
(213) 458-1272
SMinden@TishmanSpeyer.com

Estimated Site/Building Permit Issuance Date: 7/1/2018

Total Gross Square Footage: 1,064,055

1. Demands and Supplies Summary

Demands Met by Non-Potable Supply for Project (gpy):	2,356,650	Does Not Meet Grant Criteria of 3 MG/Y
*Demands Met by Non-Potable Supply for Project *:*	24%	Achieving estimated offset may require storage to store excess monthly supplies
*Project Total Annual Water Demand (gpy) *:*	9,996,072	
If Grant Offset Criteria Met, Occurs in Year:	Criteria Not Met	
Potable Make-Up Water Allocation (gpy):	609,662	Potable supplies are allocated to this project to meet remaining demands. Projects are allocated an additional 10% in potable supplies as a buffer.
Avg. Daily Wet Weather Potable Allocation (gpd):	-941	Projects are allocated these potable supplies during wet weather months (October - March)
Avg. Daily Dry Weather Potable Allocation (gpd):	4,233	Projects are allocated these potable supplies during dry weather months (April - September)

*Note: Estimates based on Tab 6 - Building Potential Summary total water demand values. Manually entered non-potable demands that exceed auto-calculated non-potable demands from Tab 6 may result in Total Annual Water demands greater than the value used in this analysis

2. Building Information Summary

	Main Project Site 1	Site 2	Site 3
Project / Building Name:	598 Brannan Street Project	Phase 2	Phase 3
Project Address:	598 Brannan St, San Francisco, CA	Bldg 3	Bldg 4
Assessor's Block & Lot No. / APN:	3777/45, 50, 51, and 52		
Year Online:	2021	2021	2021
Building Type:	MIPS	MIPS	Resident
Total Building Size (gross square footage or GSF):	763,974	232,504	67,577
Total Lot Size (ft^2):	112,900	70,000	13,120
Number of Residential Units:		0	72
Impervious Surface Above Grade (ft^2):	58,011	29,778	11,190
Impervious Surface Below Grade (ft^2):	15,476	24,121	1,930
Landscaped Area (ft^2):	39,413	16,101	0
Site Location (Zone):	Eastern SF	Eastern SF	Eastern SF

3. Summary of Nonpotable Demands and Supplies for the Project

Non-Potable Water Supply Estimates

On-site Alternate Water Source Supplies	Annual Supply (gpy)	Annual Supply (gpy)	Annual Supply (gpy)	Total (gpy)
Rainwater:	546,447	238,280	114,097	898,824
Stormwater:	0	0	0	0
Graywater:	214,719	65,487	1,177,620	1,457,826
Blackwater:	0	0	0	0
Foundation Drainage	0	0	0	0
Cooling & Other Supplies	0	0	0	0
TOTAL:	761,166	303,767	1,291,716	2,356,650

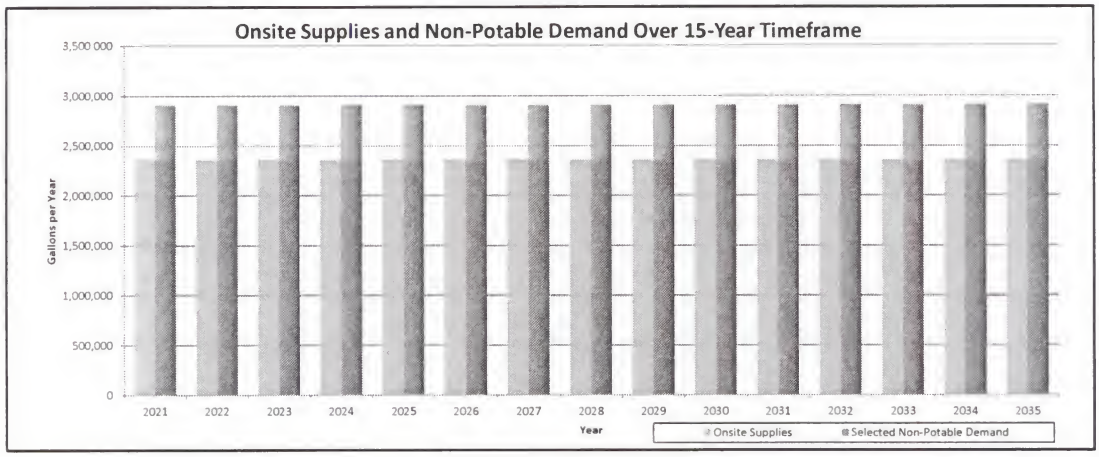
Non-Potable Applications Estimates

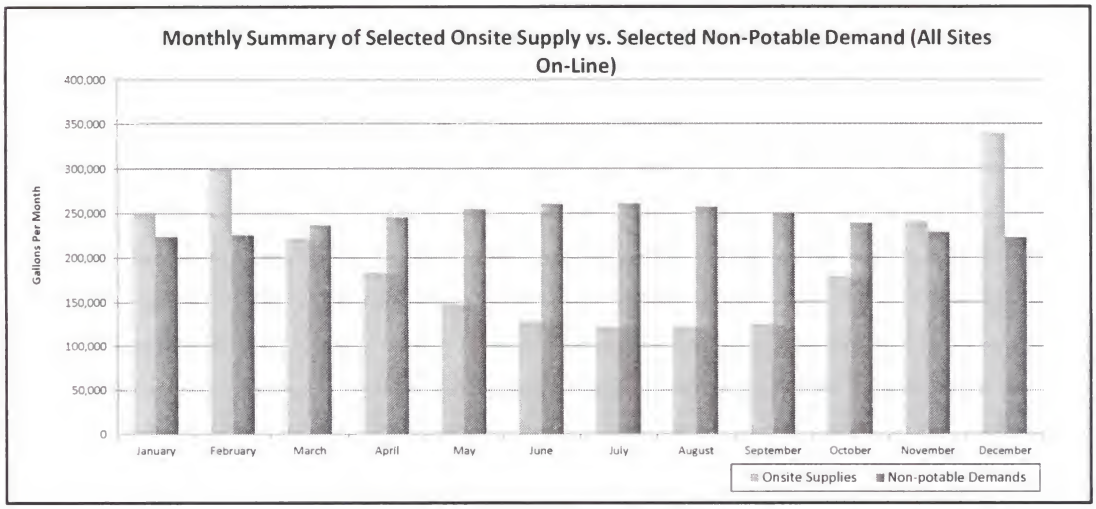
Project Specific Non-Potable Application Demands	Annual Demand (gpy)	Annual Demand (gpy)	Annual Demand (gpy)	Total (gpy)
Toilets/Urinals:	1,734,732	533,191	339,992	2,607,916
Irrigation:	135,382	167,590	0	302,972
Toilets/Urinals + Irrigation:	1,870,115	700,781	339,992	2,910,888
Cooling Tower:	0	0	0	0
Commercial Laundry & Other	0	0	0	0
TOTAL:	1,870,115	700,781	339,992	2,910,888

4. Project Phasing

	SITE 1: Phase 1 – Bldg 1 & 2		SITE 2: Phase 2 – Bldg 3		SITE 3: Phase 3 – Bldg 4		
15-Year Timeframe	NP Offset Supplies (gpy)	Selected NP Demand (gpy)	NP Offset Supplies (gpy)	Selected NP Demand (gpy)	NP Offset Supplies (gpy)	Selected NP Demand (gpy)	Re-Used Non-Potable Supplies (gpy)
2021	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2022	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2023	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2024	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2025	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2026	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2027	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2028	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2029	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2030	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2031	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2032	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2033	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2034	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650
2035	761,166	1,870,115	303,767	700,781	1,291,716	339,992	2,356,650

This offset analysis assumes the full year of supplies is available to offset non-potable demands. Some scenarios may require storage to store excess supplies from one month in order to use those supplies in another month with unmet demands.





		Phase 1 (Bldg 1 & 2)	Phase 2 (Bldg 3)	Phase 3 (Res Bldg)	Total
SITE COVERAGE					
Total "Lot" Size	SF	112,900	70,000	13,120	**196,020**
Roof (Conventional)	SF	58,011	29,778	11,190	**98,979**
Pavement (Conventional)	SF	15,476	24,121	1,930	**41,527**
Gravel on Soils	SF	0	0	0	**0**
Permeable Pavement	SF	0	0	0	**0**
Turfgrass	SF	0	6,073	0	**6,073**
Landscaped Area	SF	4,583	9,164	0	**13,747**
Green Roof	SF	34,830	864	0	**35,694**
Bioretention	SF	0	0	0	**0**
BUILDING PROGRAMMING					
Residential Units		0	0	72	**72**
Residential	GSF	0	0	62,062	**62,062**
Office	GSF	680,187	203,104	0	**883,291**
Retail/PDR non-food service	GSF	20,260	3,738	2,583	**26,581**
Retail/PDR food service	GSF	33,527	11,362	2,932	**47,821**
Future planned cafeteria	GSF	30,000	9,000	0	**39,000**
Institutional (Child Care)	GSF	0	5,300	0	**5,300**
Total Gross Area	GSF	763,974	232,504	67,577	**1,064,055**
Estimated Completion Date		6/1/2021	10/1/2021	10/1/2020	**10/1/2021**

Surface Type		**Phase 1 (Bldg 1 & 2)**	**Phase 2 (Bldg 3)**	**Phase 3 (Res Bldg)**	**Total**
Pavement (Conventional)	SF	15,476	24,121	1,930	41,527
Roof (Conventional)	SF	58,011	29,778	11,190	98,979
Gravel on Soils	SF	0	0	0	0
Impervious Area Subtotal		***73,487***	***53,899***	***13,120***	***140,506***
Grass/Lawn on Grade	SF	0	6,073	0	6,073
Landscaping on Grade (Low Density)	SF	4,583	9,164	0	13,747
Landscaping on Grade (High Density)	SF	0	0	0	0
Tree Well (ROW Only)	SF	0	0	0	0
Traditional Planter on Structure	SF	0	0	0	0
Pervious Area Subtotal		***4,583***	***15,237***	***0***	***19,820***
Bioretention	SF	0	0	0	0
Vegetated Roof	SF	34,830	864	0	35,694
Permeable Pavement	SF	0	0	0	0
BMP Area Subtotal		***34,830***	***864***	***0***	***35,694***
Total Project Site Areas	**SF**	**112,900**	**70,000**	**13,120**	**196,020**

Occupancy per SFPUC NPW Calculator

Building	GSF [2]	MFR Units	Commercial Occupancy [1] (GSF/occupant)		Residential Occupancy [1] (occupants/unit)	No. of Full-Time Equivalents (FTE)	No. of Transient FTEs	No. of Residential Occupants
			FTE	*Transient FTE*				
Phase 1 (Bldg 1 & 2)	**763,974**	**0**				**2,904**	**825**	**0**
Office	680,187	-	250	0	-	2,721	0	-
Retail/PDR non-food service	20,260	-	550	130	-	37	156	-
Retail/PDR food service [3]	33,527		435	95	-	77	353	-
Future Planned Cafeteria [3]	30,000	-	435	95	-	69	316	-
Residential	0	0	-	-	2.01	-	-	0
Phase 2 (Bldg 3)	**232,504**	**0**				**866**	**244**	**0**
Office	203,104	-	250	0	-	812	0	-
Retail/PDR non-food service	3,738	-	550	130	-	7	29	-
Retail/PDR food service [3]	11,362		435	95	-	26	120	-
Institutional (Child Care)	5,300							
Future Planned Cafeteria [3]	9,000	-	435	95	-	21	95	-
Residential	0	0	-	-	2.01	-	-	0
Phase 3 (Bldg 4)	**67,577**	**72**				**12**	**51**	**145**
Office	0	-	250	0	-	0	0	-
Retail/PDR non-food service	2,583	-	550	130	-	5	20	-
Retail/PDR food service [3]	2,932		435	95	-	7	31	-
Future Planned Cafeteria [3]	0	-	435	95	-	0	0	-
Residential	62,062	72	-	-	2.01	-	-	145

Notes:

1. *All commercial and residential occupancy load factors used as per SFPUC Nonpotable Water Calculator default values. Source: LEED Reference for Building Operations and Maintenance, Version 4. Updated October 1, 2014. Appendix 2-Table 1. Default Occupancy Numbers.*
2. *Gross Area (GSF) numbers provided by TS on 6/25/18 and updated 9/4/18*
3. *Estimated size only, actual size may vary depending on tenants*

BUILDING COOLING TOWER WATER USE Provided by PAE on 6/20/2018

MONTHLY COOLING TOWER MAKEUP WATER DEMAND (gallons / month)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Building 1	18,952	23,925	32,498	37,209	52,169	71,662	103,878	98,170	64,873	46,355	27,424	22,303	599,417
Building 2	27,272	34,428	46,766	53,544	75,073	103,123	149,482	141,269	93,353	66,706	39,464	32,094	862,576
Building 1 + 2	**46,224**	**58,353**	**79,264**	**90,753**	**127,243**	**174,785**	**253,360**	**239,439**	**158,226**	**113,061**	**66,889**	**54,397**	1,461,993
Building 3	**15,008**	**18,946**	**25,735**	**29,465**	**41,312**	**56,748**	**82,259**	**77,739**	**51,372**	**36,708**	**21,717**	**17,661**	474,670
Building 4	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0

DAILY DEMAND PER MONTH (ASSUMES ONLY WEEKDAYS) (gallons / day)

Building 1 + 2	2,088	2,918	3,580	4,235	5,746	8,157	11,442	10,813	7,384	5,106	3,121	2,457
Building 3	678	947	1,162	1,375	1,866	2,648	3,715	3,511	2,397	1,658	1,013	798

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0174**

WHEREAS, Under the California Environmental Quality Act (CEQA) and Water Code Section 10910(g)(1), the San Francisco Public Utilities Commission (SFPUC) is required to prepare and approve a Water Supply Assessment (WSA) for the cumulative water demands presented by the proposed 542-550 Howard Street Project, which involves construction of a 62-story, mixed-use tower with residential, hotel, office, retail, parking, and open space uses totaling approximately 1.1 million gross square feet (gsf); and

WHEREAS, A WSA is an informational document that assesses the adequacy of water supplies to serve a project and is required to be prepared as part of the CEQA environmental review process; and

WHEREAS, Approval of a WSA as an informational document is not considered approval of a project as defined by CEQA; and

WHEREAS, A WSA must be approved at a public meeting by the governing body of the public water supplier that would serve the project; and

WHEREAS, The SFPUC staff prepared a WSA for the proposed 542-550 Howard Street Project, which is attached hereto and concludes that there are adequate water supplies to serve the proposed project and cumulative retail water demands through the year 2035; and

WHEREAS, Between the years 2035 and 2040, the WSA concludes that there are adequate water supplies to serve the Proposed Project and cumulative retail water demands during normal years, single dry years, and the first year of a multiple dry year event, but a shortfall of 1.1 million gallons per day (mgd) is expected to occur during the second year or more of a multiple dry year event, which could result in rationing for SFPUC retail customers, including the proposed Project;;; now, therefore, be it

RESOLVED, This Commission approves the attached Water Supply Assessment, dated October 11, 2018, for the proposed 542-550 Howard Street Project pursuant to the State of California Water Code Section 10910(g).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Wood

Secretary, Public Utilities Commission

Blank Page

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

October 11, 2018

TO: Commissioner Vince Courtney, President
Commissioner Ann Moller Caen, Vice President
Commissioner Francesca Vietor
Commissioner Anson Moran
Commissioner Ike Kwon

THROUGH: Harlan L. Kelly, Jr., General Manager

FROM: Steven R. Ritchie, Assistant General Manager, Water

RE: Water Supply Assessment for the 542-550 Howard Street Project

---

1.0 Summary

1.1 Introduction

Under the Water Supply Assessment law (Sections 10910 through 10915 of the California Water Code), urban water suppliers like the San Francisco Public Utilities Commission (SFPUC) must furnish a Water Supply Assessment (WSA) to the city or county that has jurisdiction to approve the environmental documentation for certain qualifying projects (as defined in Water Code Section 10912 (a)) subject to the California Environmental Quality Act (CEQA). The WSA process typically relies on information contained in a water supplier's Urban Water Management Plan (UWMP), and involves answering specific questions related to the estimated water demand of the proposed project. This memo serves as the WSA for the proposed 542-550 Howard Street Project ("proposed project"), for use in the preparation of an environmental impact report by the City and County of San Francisco Planning Department (case no. 2016.013312ENV, San Francisco Planning Department).

1.1.1 2015 Urban Water Management Plan

The SFPUC's most current UWMP is the UWMP update for 2015, which was adopted in June 2016. The water demand projections in the UWMP incorporated 2012 Land Use Allocation (LUA 2012) housing and employment growth projections from the San Francisco Planning Department. The water demand projections are presented in five-year increments through 2040, meeting Water Code requirements.

The WSA for a qualifying project within the SFPUC's retail service area[1] may use information from the UWMP. Therefore, ***the 2015 UWMP is incorporated via references throughout this WSA shown in bold, italicized text.*** The UWMP may be accessed at www.sfwater.org/uwmp.

[1] SFPUC's "retail service area" refers to water customers inside the City and County of San Francisco, as well as select areas outside of the City.

London Breed
Mayor

Vince Courtney
President

Ann Moller Caen
Vice President

Francesca Vietor
Commissioner

Anson Moran
Commissioner

Ike Kwon
Commissioner

Harlan L. Kelly, Jr.
General Manager

1.1.2 Basis for Requiring a WSA for the Proposed Project

The proposed project has not been the subject of a previous WSA, nor has it been part of a larger project for which a WSA was completed. The proposed project qualifies for preparation of a WSA under Water Code Section 10912(a) because it is a mixed-use development that includes more than 250,000 square feet of commercial office space. The proposed project is characterized further in Section 1.2.

1.1.3 Conclusion of this WSA

In this WSA, the SFPUC concludes that there are adequate water supplies to serve the proposed project and cumulative retail water demands through 2035. Between 2035 and 2040, there are adequate water supplies to serve the proposed project and cumulative retail water demands during normal years, single dry years, and the first year of a multiple dry year event, but a shortfall is expected to occur during the second year or more of a multiple dry year event. Additional information on supply sufficiency is provided in Section 4.2, Findings.

1.2 Proposed Project Description

The project developer Hines proposes to construct a 750-foot-tall, 62-story, mixed-use tower totaling approximately 1.1 million gross square feet (gsf). The proposed building would include approximately 165 dwelling units, 189 hotel rooms, 274,000 gsf of office uses, 72,100 gsf of hotel amenity space, 8,900 square feet (sf) of retail space, 15,700 sf of open space, and four below-grade levels that would accommodate up to 183 vehicle parking spaces.

Construction would occur in one phase and substantial completion is anticipated to be completed in the second quarter of 2023. For additional details on the proposed project, including building uses and use of non-potable water supplies, see Attachment B.

2.0 Water Supply

This section reviews San Francisco's existing and planned water supplies.

2.1 Regional Water System

See ***Section 3.1 of the UWMP*** for descriptions of the Regional Water System (RWS) and ***Section 6.1 of the UWMP*** for water rights held by City and County of San Francisco and the SFPUC Water System Improvement Program (WSIP).

2.2 Existing Retail Supplies

Retail water supplies from the RWS are described in ***Section 6.1 of the UWMP***.

Local groundwater supplies, including the Westside Groundwater Basin, are described in ***Section 6.2.1 of the UWMP***.

Local recycled water supplies, including the Harding Park Recycled Water Project and Pacifica Recycled Water Project, are described in ***Section 6.2.1 of the UWMP***.

2.3 Planned Retail Water Supply Sources

The San Francisco Groundwater Supply Project is described in ***Section 6.2.2 of the UWMP***. Since publication of the UWMP, four wells have been completed and the start-up phase of the project has begun. Starting in April 2017, small amounts of groundwater have been blended with RWS supplies for drinking water. Two remaining wells are under construction as part of the next phase of the project.

The proposed Westside Recycled Water Project, as well as non-potable water supplies associated with onsite water systems implemented in compliance with San Francisco's Non-potable Water Ordinance (Health Code Chapter 12C), are also described in ***Section 6.2.2 of the UWMP***.

2.4 Summary of Current and Future Retail Water Supplies

A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in normal years is provided in ***Section 6.2.5 of the UWMP***.

2.5 Dry-Year Water Supplies

A description of dry-year supplies developed under WSIP is provided in ***Section 7.2 of the UWMP***. Other water supply reliability projects and efforts that are currently underway or completed are described in ***Section 7.4 of the UWMP***. Since publication of the UWMP, the following milestones have occurred:

- Calaveras Dam Replacement Project – Construction of the new dam was completed in September 2018, while the remainder of the overall project will be completed in spring 2019.
- Regional Groundwater Storage and Recovery Project – Construction of this project is still underway. Phase 1 of the project, consisting of installation of 13 production wells, will be completed in 2019. Since May/June 2016, the project has been in a storage phase through periodic deliveries of RWS surface water in lieu of groundwater pumping by Daly City, San Bruno, and the California Water Service Company.

A breakdown of water supply sources for meeting SFPUC retail water demand through 2040 in multiple dry years are provided in ***Section 7.5 of the UWMP***. For a single dry year, the breakdown of water supply sources would be the same as those in a normal year.

3.0 Water Demand

This section reviews the climatic and demographic factors that may affect San Francisco's water use, projected retail water demands, and the demand associated with the proposed project.

3.1 Climate

San Francisco has a Mediterranean climate. Summers are cool and winters are mild with infrequent rainfall. Temperatures in the San Francisco area average 57 degrees Fahrenheit annually, ranging from the mid-40s in winter to the upper 60s in late summer. Strong onshore flow of wind in summer keeps the air cool, generating fog through September. The warmest temperatures generally occur in September and October. Rainfall in the San Francisco area averages about 22 inches per year and is generally confined to the "wet" season from late October to early May. Except for occasional light drizzles from thick marine stratus clouds, summers are nearly completely dry. A summary of the temperature and rainfall data for the City of San Francisco is included in Table 1.

Table 1: San Francisco Climate Summary

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Monthly Rainfall (Inches)
January	58.0	45.7	4.36
February	60.3	47.3	4.41
March	61.4	48.1	2.98
April	62.3	49.1	1.38
May	63.2	50.9	0.68
June	64.8	52.7	0.18
July	65.6	54.3	0.02
August	66.6	55.3	0.06
September	68.1	55.0	0.19
October	67.8	53.3	1.04
November	61.2	48.1	2.85
December	58.3	45.9	4.33
Annual Average	**63.3**	**50.6**	**22.45**

Source: Western Regional Climate Center (www.wrcc.dri.edu), 1981-2010 data from two San Francisco monitoring stations (Mission Dolores/SF#047772 and Richmond/SF#047767).

3.2 Projected Growth

Projections of population growth in the retail service area through 2040 are presented in ***Section 3.2.2 of the UWMP***. The corresponding LUA 2012 projections for housing and employment in San Francisco, which are incorporated into the projected retail water demands, are provided in ***Appendix E of the UWMP***.

3.3 Projected Retail Water Demands

For the 2015 UWMP, the SFPUC developed a new set of models that incorporate socioeconomic factors to project retail demands through 2040. These models incorporate the latest housing and employment projections from LUA 2012. ***See Section 4.1 of the UWMP*** for tabulated retail water demand projections through 2040 and a description of the model methodology.

3.4 Proposed Project Water Demand

Hines's engineering consultants provided a memo describing the methods and assumptions used to estimate the water demand of the proposed project, along with the resulting demand (Attachment B). The SFPUC reviewed the memo to ensure that the methodology is appropriate for the types of proposed water uses, the assumptions are valid and thoroughly documented along with verifiable data sources, and a professional standard of care was used. The SFPUC concluded that the demand estimates provided by Hines's consultants are reasonable. Water demand associated with the proposed project over the 20-year planning horizon is shown in the following table.

Table 2: Water Demand Based on Project Phasing

Demand of Proposed Project (mgd)	2020	2025	2030	2035	2040
Potable Demand	—	0.038	0.038	0.038	0.038
Non-potable Demand	—	0.005	0.005	0.005	0.005
Total Demand	—	0.042	0.042	0.042	0.042

mgd = million gallons per day

Note:
The proposed project would be constructed in one phase between 2019 and 2023.

The San Francisco Planning Department has determined that the proposed project is encompassed within the projections presented in LUA 2012 as indicated in the letter from the Planning Department to the SFPUC (Attachment A). Therefore, the demand of the proposed project is also encompassed within the San Francisco retail water demands that are presented in ***Section 4.1 of the UWMP***, which considers retail water demand based on the LUA 2012 projections. The following table shows the demand of the proposed project relative to total retail demand.

Table 3: Proposed Project Demand Relative to Total Retail Demand

	2020	2025	2030	2035	2040
Total Retail Demand (mgd)[1]	77.5	79.0	82.3	85.9	89.9
Total Demand of Proposed Project (mgd)	0.042	0.042	0.042	0.042	0.042
Portion of Total Retail Demand[2]	0.05%	0.05%	0.05%	0.05%	0.05%

Notes:
1. Retail water demands per ***Table 4-1 of the UWMP***.
2. The proposed project is accounted for in the LUA 2012 projections and subsequent retail water demand projections.

4.0 Conclusion

4.1 Comparison of Projected Supply and Demand

Section 7.5 of the UWMP compares the SFPUC's retail water supplies and demands through 2040 during normal year, single dry-, and multiple dry-year periods. See Table 4, below, which is adapted from the UWMP (Table 7-4). Total retail demands correspond to those in ***Table 4-1 of the UWMP***, and reflect both passive and active conservation, as well as water loss. Total retail supplies correspond to those in ***Table 6-7 of the UWMP***. Procedures for determining RWS supply availability are described in ***Section 8.3 of the UWMP***.

As explained previously in Section 3.4, water demands associated with the proposed project are already captured in the retail demand projections presented in the UWMP. The proposed project is expected to represent 0.05% of the total retail water demand.

As shown in Table 4, a 1.1 mgd shortfall is anticipated should the SFPUC enter the second or third year of a dry year event after 2035. This shortfall is approximately 1.2% of total retail demand. During a water supply shortage, the SFPUC may invoke its Retail Water Shortage Allocation Plan (see ***Appendix L of the UWMP***), which could potentially include a reduction of system deliveries and imposition of mandatory

rationing. However, the recent drought ending in 2017 demonstrated that the SFPUC's retail customers are capable of collectively reducing consumption beyond the voluntary 10% reduction that SFPUC requested. Based on this recent experience, the SFPUC anticipates that its customers will be responsive to future calls for voluntary rationing and the subsequent reduction in demand will make up for the projected shortfall of 1.1 mgd.

Table 4: Projected Supply and Demand Comparison (mgd)

		Normal Year	Single Dry Year	Multiple Dry Years		
				Year 1	Year 2	Year 3
2020	Total Retail Demand	77.5	77.5	77.5	77.5	77.5
	Total Retail Supply	77.5	77.5	77.5	77.5	77.5
	Surplus/(Deficit)	0	0	0	0	0
2025	Total Retail Demand	79.0	79.0	79.0	79.0	79.0
	Total Retail Supply	79.0	79.0	79.0	79.0	79.0
	Surplus/(Deficit)	0	0	0	0	0
2030	Total Retail Demand	82.3	82.3	82.3	82.3	82.3
	Total Retail Supply	82.3	82.3	82.3	82.3	82.3
	Surplus/(Deficit)	0	0	0	0	0
2035	Total Retail Demand	85.9	85.9	85.9	85.9	85.9
	Total Retail Supply	85.9	85.9	85.9	85.9	85.9
	Surplus/(Deficit)	0	0	0	0	0
2040	Total Retail Demand	89.9	89.9	89.9	89.9	89.9
	Total Retail Supply	89.9	89.9	89.9	88.8	88.8
	Surplus/(Deficit)	0	0	0	(1.1)	(1.1)

The LUA 2012 projections result in a retail demand in 2035 of 85.9 mgd, which represents a 5.0 mgd, or 6%, increase over the 2035 demand projected in the 2010 UWMP. The ability to meet the demand of the retail customers is in large part due to development of 10 mgd of local WSIP supplies, including conservation, groundwater, and recycled water. These supplies are anticipated to be fully implemented over the next 10 to 15 years.

If the planned future water supply projects described in Section 2.3 are not implemented, normal-year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during normal years, the SFPUC may import additional water from the RWS. If total water deliveries exceed 265 mgd, additional imports would be subject to mitigation that must be implemented by the SFPUC as identified in the SFPUC's 2008 findings of approval for the WSIP (Commission Resolution No. 08-0200).

If the dry-year supply projects described in Section 2.5 are not implemented, existing dry year supplies may not be enough to meet projected retail demands. To balance any water supply deficits during dry years, the SFPUC may reduce system deliveries and impose additional customer rationing.

The SFPUC remains committed to meeting the level of service goals and objectives outlined under WSIP. In addition, the SFPUC continues to explore other future supplies, including:

- Development of additional conservation and recycling.
- Development of additional groundwater supplies.
- Securing of additional water through transfers.
- Increasing import of Tuolumne River supplies.

4.2 Findings

Regarding the availability of water supplies to serve the proposed project beginning in 2023, the SFPUC finds, based on the entire record before it, as follows:

- Through 2035, with the addition of planned local supplies, the SFPUC has sufficient water supplies to serve its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development, during normal years, single dry years, and multiple dry years.
- Between 2035 and 2040, with the addition of planned local supplies, the SFPUC has sufficient water supplies available to serve its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development, during normal years, single dry years, and the first year of a multiple dry year event.
- Between 2035 and 2040, the SFPUC anticipates a 1.1 mgd retail supply shortfall beyond the first year of a multiple dry year event (*e.g.*, during the second and third years), even with the addition of planned local supplies. To address this shortfall, the SFPUC may invoke its Retail Water Shortage Allocation Plan (see ***Appendix L of the UWMP***) and impose a minimum of 1.2% rationing in the retail service area in order to maintain service to its retail customers, including the demands of the proposed project, existing customers, and foreseeable future development.

Approval of this WSA by the Commission is not equivalent to approval of the development project for which the WSA is prepared. A WSA is an informational document required to be prepared for use in the City's environmental review of a project under CEQA. It assesses the adequacy of water supplies to serve the proposed project and cumulative demand.

Furthermore, this WSA is not a "will serve" letter and does not verify the adequacy of existing distribution system capacity to serve the proposed project. A "will serve" letter and/or hydraulic analysis must be requested separately from the SFPUC City Distribution Division to verify hydraulic capacity.

If there are any questions or concerns, please contact Steve Ritchie at (415) 934-5736 or SRitchie@sfwater.org.

Attachment A –

Communications from San Francisco Planning Department

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: June 13, 2013

TO: SF Planning EP Planners & SFPUC Planners

FROM: Scott T. Edmondson, AICP; Aksel Olsen

RE: Project Types Represented in the Land Use Allocation

This Memorandum explains the Planning Department's Land Use Allocation (LUA) and the types of projects included in the LUA. The 2012 LUA is the most recent update and uses the Association of Bay Area Governments' (ABAG) May 2012 Jobs-Housing Connection Scenario. As this memorandum explains, the Planning Department expects that the LUA will encompass the vast majority of development proposals that project sponsors will present to the Planning Department. This memorandum also identifies possible unusual circumstances under which EP Planners and the SF PUC Planners may want to consult further with the Planning Department's Information and Analysis Group to determine whether a project is encompassed within the LUA.

ABAG's Projections of San Francisco's Economic Growth and the LUA

The LUA takes ABAG's 30-year projections of citywide household and job growth and allocates them to smaller geographic units, in this case, the traffic analysis zones of the SF Transportation Authority's Countywide Transportation Model. Thus, the LUA does not project growth but simply allocates ABAG's growth projections to subarea locations within the city. The current 2012 LUA uses ABAG's Jobs-Housing Connection Scenario projections for San Francisco and covers the period from 2010 to 2040; these projections were released in May 2012 and are represented in five-year increments.

ABAG derives its demographic and economic growth projections from assumptions about long-term demographic and economic growth.[1] ABAG maintains its own set of regional models and develops each forecast with its in-house experts and private economic consultants.[2] The forecasting is informed by the best information and assumptions available through federal and State agencies, such as the State Department of Finance, and private sources. However, ABAG develops its forecast based on local knowledge from over 50 years of forecasting and develops the forecast to reflect local conditions in contrast to more general forecasting assumptions of State or federal sources. ABAG's estimate of total citywide growth for the 30-year period is expected to best represent actual growth at the end of the 30-year period. However, projected growth for any portion of the projection period, such as growth in a one-year or a five-year period, would be expected to vary from actual growth in such periods. Within the 30-year growth projection period, higher than average growth periods could be followed by lower than average growth periods such that growth over the period would ultimately equal the projected 30-year

total. All projection methodologies make assumptions based on the best available information at the time. To minimize the effects of imprecision intrinsic to any projections methodology when used in for planning decisions, ABAG follows professional best practices and updates its projections every two years. Accordingly, the Planning Department updates its LUA every two years. The planning practice of frequently updating projections and plans allows the incorporation of new information over time to provide for the most up-to-date projections.

The SFPUC updates its Urban Water Management Plan (UWMP) every five years. The UWMP typically relies on LUA projections or similar information. But, because the LUA is updated every two years, the SFPUC may want to review the LUA issued within SFPUC's 5-year UWMP cycle; and if it varies in a significant way from the SFPUC's projections used in its UWMP, discuss with Planning whether it should make any changes in its own water supply needs assessment during an UWMP cycle.

Types of Projects Included in the LUA

The LUA translates ABAG's projected household and job growth into total expected development in San Francisco over a 30-year period. The LUA translates ABAG's household growth into residential housing units and ABAG's job growth into commercial space.[3] Thus, the LUA projections of housing units and commercial space include all project types expected from San Francisco growth, such as housing, office, retail, production-distribution-repair (PDR), visitor, and cultural-institutional-educational (CIE). The LUA does not exclude any project type or potential growth. As such, the LUA and the ABAG economic projections upon which it is based contain the best estimates available of reasonably foreseeable growth and development in San Francisco over a 30-year period.

Unusual Circumstances

The LUA can be considered to include all reasonably expected growth and development and it is frequently updated to correct for expected variations. Nevertheless, there are possible unusual circumstances under which the EP Planners or SFPUC Planners may want to request further Planning Department consultation with the Information and Analysis Group to determine if a particular project falls within the LUA. ABAG's projections and the Department's LUA take into account urban economic trends and based on that information capture all reasonably foreseeable growth in San Francisco. Limited capital and aggregate demand of any urban economy constrains growth. However, occasionally the reality or perception may arise that a project lies outside the normal growth constraints of the San Francisco economy for some reason, and therefore lies outside ABAG's projection's and the Department's current spatial allocation in its LUA.

One can envision the rare case of a project arising outside the City's economy (demand and capital) from an organization not located in San Francisco using nonprofit foundation funds or private donations to construct a large institutional project in San Francisco, such as a major hospital, a university, or an office complex. These projects would represent spending and demand beyond that normally active in the San Francisco economy, and therefore represent net additions to projected growth beyond that captured by ABAG's projections and reflected in the Department's LUA. Indicative characteristics of such projects

would include those with non-local sponsors, of large size, and for an institutional land use. Alternatively, very large project proposals from local project sponsors active in the SF economy involving a large site, land assembly, a planned unit development (PUDs), master plans, or area plan and rezoning proposals may warrant individual assessment for a range of reasons even though they are likely captured in ABAG's projections and the LUA. Such projects would be similar to recent projects such as Hunters Point/Candlestick, Park Merced, Treasure Island, Pier 70 Master Plan, Eastern Neighborhoods, or the Transit Center District Plan.

The bi-annual update of ABAG's projections and the LUA would be able to capture development associated with such projects. However, should such a project be proposed between updates, the EP Planners and SFPUC could treat its appearance as sufficient cause to request the Planning Department's assistance in determining whether to consider the project outside the latest LUA projections.

---

[1] Please see ABAG's summary of its research and forecasting on its website: http://www.abag.ca.gov/planning/research/index.html

[2] ABAG describes its current Jobs-Housing Scenario policy-based forecast here: http://onebayarea.org/pdf/JHCS/May_2012_Jobs_Housing_Connection_Strategy_Appendices_Low_Res.pdf.

[3] The LUA citywide totals only differ slightly, up to within one percent of ABAG totals (+/-). The difference is produced by LUA's complex method of translating ABAG projections into development (residential units and commercial space) and allocating total citywide growth to subarea locations. The minor difference between the LUA and ABAG citywide totals is real in absolute terms, but not in the sense that they are different projections. The one percent difference does not constitute a difference of projections. ABAG and MTC consider variation of one percent in citywide totals, plus or minus, as sufficiently representing ABAG's projections for consistency with the MTC regional projections and modeling purposes (congestion management, etc.). Even if a few versions of the LUA must be done to make minor subarea spatial allocation corrections, as long as the LUA's citywide totals are within one percent of ABAG's projections, and ABAG's projections have not changed, the LUA citywide totals have not effectively changed either. Any of those LUA versions' citywide totals fully represent the same unchanged ABAG projection totals.

Attachment B –

542-550 Howard Street Demand Memo

SAN FRANCISCO
PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

DATE: September 20, 2018

TO: Fan Lau, SFPUC

FROM: Diane Livia, Environmental Planning

CC: Alesia Hsiao, Environmental Planning

RE: 542 – 550 Howard Street Project Water Supply Assessment Request (Planning Department Case No. 2016-013312ENV)

The purpose of this memorandum is to request that the San Francisco Public Utilities Commission (SFPUC) prepare a Water Supply Assessment (WSA) for the proposed 542 – 550 Howard Street mixed-use residential project, in compliance with CEQA Guidelines Section 15155 and Sections 10910 through 10915 of the California Water Code. As indicated in the attached memorandum, the proposed project involves the construction of a 750-foot-tall (800 feet including rooftop mechanical features), 62-story, mixed-use tower approximately 1.1 million gross square feet. The proposed building would include approximately 165 dwelling units, 189 hotel rooms, 274,000 gsf of office uses, 72,100 gsf of hotel amenity space, 8,900 square feet (sf) of retail space, 15,700 square feet (sf) of open space, and four below-grade levels that would accommodate up to 183 vehicle parking spaces. Substantial completion for the project is anticipated to be in the second quarter of 2023.

The project sponsor has provided project information intended to meet the requirements outlined in the SFPUC guidance memo dated September 6, 2016. The project is proposed to be constructed in one phase starting in 2019. A summary of the project description, proposed average daily water demands, and supporting tables prepared by the project sponsor's consultant (based on the SFPUC Single Site Non-Potable Water Calculator Version 5), are attached.

Should you have questions or need additional information from the Planning Department or the project sponsor, please contact me at 415-575-8758 (diane.livia@sfgov.org) or Chris Thomas at 415-575-9036 (christopher.thomas@sfgov.org).

ALVINE
Engineering

September 20, 2018

San Francisco Planning Department
Environmental Planning

Attn: Chris Thomas

Re: 542 – 550 Howard Project: Water Supply Assessment Request

Dear Chris:

The purpose of the memorandum is to provide the specific project information necessary for the San Francisco Public Utilities Commission (SFPUC) to prepare a Water Supply Assessment (WSA) for the proposed 542 – 550 Howard Street project (proposed project). This memo provides a brief project description and estimated project water and wastewater demands for the proposed project based on the calculations developed in the SFPUC Single Site Non-Potable Water Calculator Version 5.

Project Description

The proposed project involves the construction of a 750-foot-tall (800 feet including rooftop mechanical features), 62-story, mixed-use tower approximately 1.1 million gross square feet. The proposed building would include approximately 165 dwelling units, 189 hotel rooms, 274,000 gsf of office uses, 72,100 gsf of hotel amenity space, 8,900 square feet (sf) of retail space, 15,700 square feet (sf) of open space, and four below-grade levels that would accommodate up to 183 vehicle parking spaces. Substantial completion for the project is anticipated to be in the second quarter of 2023.

TABLE 1 – PROJECT INFORMATION

Project Name	1500 Mission
Case No.	2016-013312ENV
Estimated Construction Date	Fall 2019
Project Contact Project	Chris Thomas – (415) 575-9036, christopher.thomas@sfgov.org
Address	542-550 Howard Street
Block/Lot	3721/016, 135, 136, 138
Project Site Size	31,980 sf (0.73 acres)
Days In Operation Per Year	365 residential and hotel days; 240 office working days; 350 retail days)

Proposed Project

As noted above, the project sponsor proposes the construction of a new 62-story, mixed-use high-rise tower with approximately 231,100 gsf of hotel uses (room floors with 189 guest rooms, amenity space, and lobby space), approximately 434,100 gsf of residential uses (165 units), approximately 274,000 gsf of office uses, 8,900 sf of retail space, and 23,200 sf of open space. Table 2, provides a summary of project uses and space.

TABLE 2 – PROJECT CHARACTERISTICS

Proposed Use	Approximate Area (gsf or sf)	Location (Building Level or Street)	Description[1]
Residential	419,100 gsf	Ground Level and Level 5	Residential lobbies
		Levels 34 - 61	165 units (20 studios/one-bedroom units, 145 two-or-more bedroom units)
	15,000 gsf	Level 33	Residential amenities: Chef's kitchen and bar, private dining and media areas, café, and resident library
Hotel	171,300 gsf	Ground Level, Level 2, Level	Hotel lobbies
		Levels 8 – 16, , B1 Mezz	189 guest rooms BOH
	59,800 gsf	Levels 2, 3, 6, and 7	Hotel Amenities: Meeting/conference/pre-function space, catering kitchen spaces, gym/pool/spa serving hotel guests and residences, and hotel back-of house spaces
Office	274,000 gsf	Ground Level and Level 5	Office lobbies
		Levels 17 - 31	Office space
Retail	8,900 sf	Ground Level and Level 5	Retail space
Public and Common Open Spaces	15,700 sf	Ground Level	Public passageway from Howard Street to Natoma Street
		Ground Level – Level 5	Public elevator area
		Level 2	Open air terrace
		Level 5	Public circulation area, terrace, and bridge connection
		Level 33 and the roof	Common open space
Private Open Spaces	7,500 sf	Levels 2, 6, 7, and 31	Level 2, 6, and 7: Private outdoor terrace for hotel. Level 33: Private outdoor terraces for office tenant.
Vehicle Parking and Loading	59,000	Levels B1 – B4	183 vehicle parking spaces including 3 car share spaces arranged in mechanical stackers
		Along Howard Street	1 passenger loading zone
		Ground Level off Howard Street	1 freight loading dock with 4 off-street freight loading spaces and a truck turntable.
Bicycle Parking and Facilities	2,700 sf	Level 4	177 class 1 bicycle spaces, 4 showers, and 24 lockers
		Along Natoma Street to the west of the public passage way and to the north, adjacent to the car lifts.	14 class 2 bicycle spaces
Mechanical Equipment Space	68,100 sf	Levels B1, B2, 4, 6, 7, 32, and roof	Air-handling units (4, 6, 32, 62/roof), exhaust fans (4, 32, 62/roof), cooling tower (62/roof), and emergency diesel generators (B1 and 7)
Total	1,102,100		

Source: Hines, 2018.
1. Most levels with residential, hotel, and office uses contain small lobbies; only main lobbies are included in this summary table.

The ground level of the proposed project would include the residential, hotel, and office lobbies, and approximately 2,200 sf of retail spaces. Levels 2, 3, 6 and 7 would contain hotel amenities. Level 5 would contain additional retail spaces (approximately 6,000 sf) and would be connected to the TTC rooftop terrace and park by a 22-foot-wide, 65-foot-long pedestrian bridge over Natoma Street. Levels 8 through 16 would contain hotel rooms and servicing areas. Levels 17 through 31 would contain office space, which is intended to be leased to traditional office tenants in the market. Levels 33 through 61 would contain the residential portion of the proposed project, with 165 residential units.

TABLE 3 – PROPOSED PROJECT, BUILDING INPUTS

			GSF Per Land Use		Commercial Use Occupancy	
Proposed Use	Total Proposed (gsf)	Days in Use	FTE	Transient FTE	Estimated FTE	Estimated Transient FTE
Office	274,000	240	250		1,096	
Retail	8,900	350	550		16	68
Hotel	231,100	365		1,750	100	200
TOTAL	**513,900**					

Between the general office, hotel, residents, and retail uses on site, it is anticipated that the project would employ approximately 1,212 FTEs and 268 transient FTEs at buildout. Likewise, for residential occupancy of the proposed project, default values of 2.12 persons per household were used for an estimated 350 residents living onsite at buildout.

TABLE 4 – PROPOSED PROJECT, RESIDENTIAL INPUTS

Data Inputs	
Residential Type	Multi-family
Occupancy	2.12 persons per household unit
Number of Residential Units	165 units
Residential Gross Area	434,100 gsf
Number of Residential Occupants	350 people
Days in Operation	365 days

"Project coverage" refers to the permeability of materials used onsite. Less than half of the project site would be covered in impervious surfaces, which would include the roof and sidewalk/alleyway areas. More than half of the site area would consist of rooftop open spaces, which would be a mix of paving and landscaped areas.

TABLE 5 – PROPOSED PROJECT, COVERAGE

Surface	Area
Impervious Area	**23,770 gsf**
Roof	18,590 gsf
L2 – L7	5,710 gsf
Pavement	9,600 gsf
Landscaped Area	**2,200 gsf**

Note: Some of the surface areas listed above are setbacks within the footprint of the tower so the total area is larger than the site footprint.

Proposed Project – Demand

Table 6 shows the estimated daily and annual water demand for the proposed project by land use category. As shown, the total water use for the project would be 41,879 gallons per day (gpd), or 14.8 million gallons per year (gpy). Of the total water demand, 41,799 gpd would be for indoor water use and 80 gpd would be for irrigation purposes. In addition, SFPUC estimates that approximately 90 percent pf water supplied is discharged as wastewater into the sewer; therefore, the project would discharge around 37,691 mgd, or 13.3 million gpy of wastewater.

TABLE 6 - PROPOSED PROJECT, ESTIMATED DEMAND

Proposed Use	Estimated Daily Water Demand (gpd)	Estimated Annual Water Demand (gpy)
Commercial water demand	4,337	1,109,509
Multi-Family water demand	16,493	6,020,098
HVAC/Cooling water demand	21,304	7,776,000
Irrigation	80	29,458
Other Indoor Demands	1,440	525,600
TOTAL	**42,360**	**15,460,665**
Wastewater Discharge (at 90% water supplied)	**38,124**	**13,914,599**
Non-Potable Water Demands met with non-potable water supplies		**1,690,487**

Notes:

1. HVAC/Cooling water demand based on preliminary estimate of 15 gallons per minute. This is an average amount that will be refined as the design progresses.
2. Other indoor demands includes Hotel kitchen/gym/pool/spa water demand and is based on an average of 1 gallon per minute to account for the varying demand and hours of operation.

Project Approach to meet City and County of San Francisco Ordinances

1. Water Efficient Irrigation Ordinance (San Francisco Administrative Code, Ch. 63)
   - A. Utilize captured and treated onsite water for irrigation.
   - B. Design includes a separate irrigation water service from the city infrastructure
2. Residential Water Conservation Ordinance (San Francisco Housing Code, Ch. 12A)
   - A. Use low flow fixtures that meet or exceed requirements.
   - B. Provide meters for each residential unit.
3. Commercial Water Conservation Ordinance (San Francisco Building Code, Ch. 13A)
   - A. Use low flow fixtures that meet or exceed requirements.

4. Recycled Water Use Ordinance (San Francisco Public Works Code, Article 22)

   A. Plumbing systems designed to separate potable and non-potable uses.

5. Non-potable Water Ordinance (San Francisco Health Code, Article 12C)

   A. Demands for toilet and urinal flushing and irrigation demands shall be met by using available onsite sources including rain water and gray water.

Sincerely,

Brian A. Hadfield, P.E., F.P.E., LEED AP
Associate Principal (NE)

BAH/rac

NON-POTABLE WATER CALCULATOR

Project Summary Sheet

Project Contact: Michael Belasco
415-982-6200
michael.belasco@hines.com

Estimated Site/Building Permit Issuance Date: TBD

1. Demands and Supplies Summary

Grant Criteria Status: This building is 250,000 sq.ft. or greater in size and is not eligible for a grant

Demands Met by Non-Potable Supply for Project (gpy):	1,690,500	Meets grant criteria of offsetting a minimum of 1,000,000 gal/yr of potable water use
Demands Met by Non-Potable Supply for Project:*	11%	
Project Total Annual Water Demand (gpy):*	15,460,665	
Project Total Annual Toilet + Irrigation Water Demand (gpy):*	1,690,487	
Toilet + Irrigation Demands Met by Non-Potable Supply:*	100.0%	
Potable Water Allocation (gpy):	14,569,036	Potable supplies are allocated to this project to meet remaining demands. Projects are allocated an additional 10% in potable supplies that are available as a buffer
Daily Wet Weather Potable Allocation (gpd):	40,081	Projects are allocated these potable supplies during wet weather months (October - March)
Daily Dry Weather Potable Allocation (gpd):	39,817	Projects are allocated these potable supplies during dry weather months (April - September)

*Note: Estimates for *Demands Met by Non-Potable Supply for Project* and *Project Total Annual Water Demand* based on Tab 6 - Building Potential Summary total water demand values. Manually entered non-potable demands that exceed auto-calculated non-potable demands from Tab 6 may result in Total Annual Water demands greater than the value used in this analysis.
Project Total Annual Toilet Water Demand and *Toilet Demands Met by Non-Potable Supply* based on Tab 6 - Building Potential Summary toilet demands.

2. Building Information Summary

Project / Building Name:	Parcel F	*Building Type:*	Mixres
Project Address:	542-550 Howard St	*(gross square footage or GSF):*	948,100
		Total Lot Size (ft^2):	31,980
		Number of Residential Units:	165
Assessor's Block & Lot No. / APN:	3721/016, 135, 136, 138	*Impervious Surface Above Grade (ft^2):*	24,300
Year Online:	#VALUE!	*Impervious Surface Below Grade (ft^2):*	9,600
		Landscaped Area (ft^2):	2,200
		Site Location (Zone):	Eastern SF

3. Summary of Non-Potable Demands and Supplies for the Project

Non-Potable Water Supply Estimates

On-site Alternate Water Source Supplies	Water Quantity (gpy)
Rainwater:	254,650
Stormwater:	0
Graywater:	3,146,476
Blackwater:	0
Foundation Drainage	0
Cooling & Other Supplies	0
TOTAL:	3,401,126

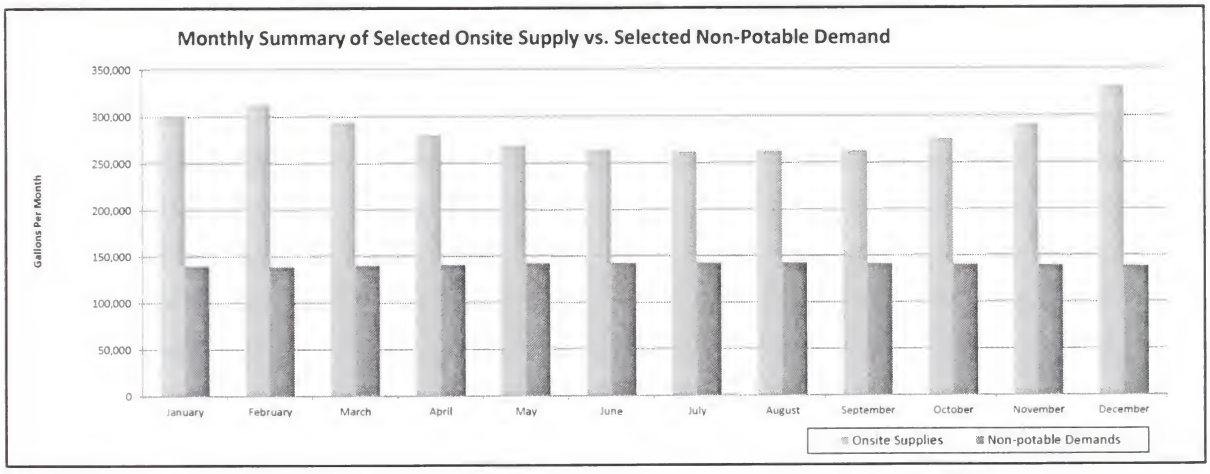
Non-Potable Water Demand Estimates

Project Specific Non-Potable Application Demands	Quantity (gpy)
Toilets/Urinals:	1,661,029
Irrigation:	29,458
Toilets/Urinals + Irrigation	1,690,487
Cooling Tower:	0
Commercial Laundry & Other	0
Total:	1,690,487

4. Project Summary

Demands Met by Non-Potable Supply for Projects (gpy):	1,690,500	
Total Water Demand (gpy):	15,460,665	*Based on Tab 6 - Building Potential Summary tab*
Total Water Demand Offset:	11%	
Potable Water Allocation (gpy):	14,569,036	*Amount of Potable Water Allocated to Project to Meet Total Demands*
Daily Wet Weather Potable Allocation (gpd):	40,081	*Amount of Potable Water Allocated Daily during Wet Weather Months*
Daily Dry Weather Potable Allocation (gpd):	39,817	*Amount of Potable Water Allocated Daily during Dry Weather Months*
Total Toilet + Irrigation Water Demand (gpy):	1,690,487	*Based on Tab 6 - Building Potential Summary tab*
Total Toilet + Irrigation Water Demand Offset:	100%	*Based on Tab 6 - Building Potential Summary tab*
Selected Toilet + Irrigation Water Demand (gpy):	1,690,487	*Based on selections on Tab 7 - Project Definition*
Selected Toilet + Irrigation Water Demand:	100%	*Based on selections on Tab 7 - Project Definition*

This offset analysis assumes the full year of supplies is available to offset non-potable demands. Some scenarios may require storage to store excess supplies from one month in order to use those supplies in another month with unmet demands.



PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0175**

WHEREAS, On December 10, 2013, the San Francisco Public Utilities Commission (SFPUC) adopted Resolution No. 13-0192 authorizing the SFPUC General Manager to enter into a five-year Office Lease dated November 18, 2013 as amended by the Amendment to Lease dated as of February 28, 2014, (the Lease) between 544 Golden Gate Associates LCC, as landlord (Landlord), and the City and County of San Francisco, through the SFPUC, as tenant; and

WHEREAS, Pursuant to the Lease, the SFPUC currently occupies approximately 6,888 square feet of office on the second floor of the building located at 544 Golden Gate Avenue, which is located across the street from the SFPUC's headquarters at 525 Golden Gate Avenue; and

WHEREAS, The Lease term commenced on March 1, 2014 and is due to expire on February 28, 2019; and

WHEREAS, The SFPUC desires to extend the Lease term for an additional four years (Extended Term) to house employees of the CleanPowerSF Program; and

WHEREAS, Landlord and SFPUC staff have negotiated a Second Amendment to the Lease (Second Amendment) that will extend the Lease term by four years until February 28, 2023 for a total term of nine years, and with an increased rental rate of $29,174 per month ($350,083 a year) for the first year, with 4% annual rent increases thereafter; and

WHEREAS, Funding is available from Power Enterprise/CleanPowerSF Operating COA: 24750-10000-198644-10026777-0001; and

RESOLVED, That this Commission hereby approves the terms and conditions of the Second Amendment; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official regarding the Second Amendment; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes and directs the General Manager of the SFPUC to execute the Amendment; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute any amendments or modifications to the Lease, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interests of the City, including the SFPUC, do not increase the rent or otherwise materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the Lease or this resolution, and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0176**

WHEREAS, Over the past decade, a number of efforts within the California Department of Water Resources (DWR) have focused on improving the reliability of existing appurtenances and other dam safety measures that contribute to the safety and ongoing integrity of Oroville Dam and those appurtenant structures (Oroville Dam Complex), and DWR plans to re-engage these various efforts and formally initiate a Comprehensive Needs Assessment (CNA) to identify and prioritize dam safety enhancements for the future; and

WHEREAS, DWR has committed to the Federal Energy Regulatory Commission (FERC) and the California Division of Safety of Dams (DSOD) to complete a Comprehensive Needs Assessment (CNA) of the Oroville Dam Complex; and

WHEREAS, As part of the CNA process, DWR will make presentations to an Independent Review Board (IRB) and solicit the IRB's recommendations; and

WHEREAS, DWR desires to include a public employee on the IRB with recognized industry experience and expertise in the planning, design, environmental review, permitting, construction and operation of dams and their appurtenant facilities; and

WHEREAS, DWR has identified Daniel L. Wade, an employee of the San Francisco Public Utilities Commission (SFPUC), as the proposed fifth member of the IRB and proposes to enter into an Inter-jurisdictional Personnel Exchange Agreement (Agreement) with SFPUC for a part-time loan of Daniel L. Wade to DWR in accordance with California Government Code Section 19050.8 and State Personnel Board Rule 427, which provides for a temporary inter-jurisdictional exchange of an employee between governmental entities; and

WHEREAS, Mr. Wade voluntarily consents to this loan of his services in accordance with the Agreement; and

WHEREAS, Under the Agreement, Mr. Wade will spend no more than 20% of his work time performing services for DWR and the IRB over the duration of the agreement; and

WHEREAS, The term of the Agreement is from September 24, 2018 to June 30, 2020, and the total duration of this agreement is approximately 21 months; and

WHEREAS, DWR will reimburse SFPUC for the services of Daniel L. Wade at an hourly rate arrived at by multiplying Mr. Wade's direct hourly compensation at the SFPUC by a multiplier of 2.95 to account for mandatory fringe benefits and overhead, plus expenses for travel, lodging and per diem reimbursed at the approved State rates, for a total amount under the contract not-to-exceed $375,000; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager to execute the Inter-jurisdictional Personnel Exchange Agreement between the California Department of Water Resources and the San Francisco Public Utilities Commission for the temporary loan of SFPUC employee Daniel L. Wade to serve on a DWR Independent Review Board for a Comprehensive Needs Assessment for the Oroville Dam Complex, for an amount not to exceed $375,000 for DWR to reimburse the SFPUC for Mr. Wade's time expended, plus travel, lodging and per diem expenses reimbursed at the approved State rates, with a term of approximately 21 months.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0177**

WHEREAS, Through the Rockaway Avenue Streetlight Project, the San Francisco Public Utilities Commission (SFPUC) Power Enterprise desires to install, operate, and maintain two new streetlights on existing rock columns located on Rockaway Avenue and Laguna Honda Boulevard in San Francisco (Rock Columns); and

WHEREAS, Gerald F. Sullivan (Licensor) owns the Rock Columns and adjacent property at 10 Rockaway Avenue in San Francisco, Assessor's Block 2916, Lot 15 (Licensor's Property); and

WHEREAS, Installation, operation, and maintenance of the two new streetlights on the Rock Columns will require a license (License) from Licensor to use a portion of Licensor's Property and the Rock Columns (License Area) for streetlights and electrical service facilities; and

WHEREAS, Licensor has agreed to grant the City and County of San Francisco (City), acting through the SFPUC, the License for no license fee, on the terms and conditions stated in the Streetlight License on file with the Commission Secretary; and

WHEREAS, SFPUC staff has negotiated the Streetlight License, on file with the Commission Secretary, with Licensor to grant the License to the City; and

WHEREAS, The License will run with the land until terminated by either Licensor upon one year's notice, or by the City at any time; and

WHEREAS, Construction and installation of the Rockaway Avenue Streetlight Project will cost $160,000 and funds are available from the Power Enterprise Decorative Lights Project, 10025177; and

WHEREAS, On July 24, 2018, the Planning Department determined that approval of this license is categorically exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15301, Class 1 (Existing Facilities); now, therefore, be it

RESOLVED, That this Commission hereby ratifies, approves, and authorizes all actions heretofore taken by any City official regarding the License; and, be it

FURTHER RESOLVED, That this Commission hereby approves the License on the terms and conditions stated in the Streetlight License on file with the Commission Secretary, subject to the approval of the Board of Supervisors and Mayor; and, be it

FURTHER RESOLVED, That, upon approval by City's Board of Supervisors and the Mayor of the License, this Commission hereby authorizes the General Manager to execute the Streetlight License and further authorizes SFPUC General Manager to enter into any amendments or modifications to the Streetlight License, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the

best interest of the City, do not materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the License or this resolution, and are in compliance with all applicable laws, including the City Charter; and, be it

FURTHER RESOLVED, That upon approval by City's Board of Supervisors and the Mayor of the License, this Commission authorizes the General Manager of the SFPUC to take all other steps they, in consultation with the City Attorney, deem necessary and advisable to effectuate the purpose and intent of this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: **18-0178**

WHEREAS, The India Basin Project ("Project") is a mixed-use development at the approximately 28-acre site located at Innes Avenue between Griffith Street and Earl Street, located within the Bayview Hunters Point neighborhood in San Francisco; and

WHEREAS, The Project will include a new publicly accessible network of improved parkland and open space and a mixed-use urban village, including up to 1,575 dwelling units, approximately 676,052 square feet (15.5 acres) of publicly accessible open space, approximately 59,500 square feet of public and private open space, as well as approximately 209,106 square feet of commercial space and up to 1,800 off-street parking spaces; and

WHEREAS, The Project also will include extensive investments in infrastructure, including new potable and non potable water distribution systems, auxiliary water supply facilities, stormwater management improvements, separated storm and sanitary sewer systems, power facilities, and street lighting; and

WHEREAS, The Project is being developed through a Development Agreement by and between the City and the Developer; and

WHEREAS, The proposed Development Agreement recognizes that, in exchange for defined public benefits, the Project will only be subject to certain defined ordinances, regulations, rules and policies governing the design, construction, fees and exactions, use or other aspects of the Project; and

WHEREAS, The Development Agreement requires new horizontal infrastructure development to serve the Project; and,

WHEREAS, The Project will either implement parcel-based graywater reuse systems or a district-wide Decentralized Non-Potable Water Reuse System (DNWRS) to comply with San Francisco Health Code Article 12C; and,

WHEREAS, The SFPUC's responsibilities for the operation and maintenance of certain infrastructure improvements constructed on Port property pursuant to the Development Agreement and Infrastructure plan are contingent on the execution of one or more Memorandum of Understanding ("MOU") between the Port, SFPUC, and other relevant City agencies, and will be subject to review and approval by the Commission at a later date; and

WHEREAS, Developer will provide the SFPUC with all Project information the SFPUC requires to determine the feasibility of providing electric service to the Project Site per the Development Agreement and Infrastructure Plan; and

WHEREAS, Developer agrees that if the SFPUC determines it is feasible to provide electricity for the Project Site, then the SFPUC will be the exclusive power provider to the Project Site; and

WHEREAS, An Environmental Impact Report (EIR) was prepared for the India Basin Project; and

WHEREAS, At the July 26, 2018 hearing, the Planning Commission certified the Final Environmental Impact Report (FEIR) by Motion No. 20247, and on the same date, the Planning Commission adopted environmental findings in accordance with the California Environmental Quality Act (CEQA Findings) including a Statement of Overriding Considerations, and a Mitigation Monitoring and Reporting Program (MMRP) in Motion No. 20248; and

WHEREAS, The project files, including the Final EIR (FEIR) and the India Basin CEQA Findings have been made available for review by the SFPUC and the public and those files are part of the record before this Commission; and

WHEREAS, This Commission has reviewed and considered the information contained in the FEIR, the findings contained in Planning Commission Motions Nos. 20247 and 20248, and all written and oral information provided by the Planning Department, the public, relevant public agencies, SFPUC and other experts and the administrative files for the Project; and

WHEREAS, The Development Agreement includes the preparation of a feasibility study to determine the feasibility of providing electric service to the Project Site, and if, upon completion of that study, SFPUC determines it is feasible to provide electricity for the Project Site, CEQA review would be conducted prior to SFPUC's agreement to provide power to the Project; now, therefore, be it

RESOLVED, This Commission has reviewed and considered the FEIR and record as a whole, finds that the FEIR is adequate for its use as the decision–making body for the action taken herein and hereby adopts the CEQA Findings, including the Statement of Overriding Considerations and adopts the Mitigation Monitoring and Reporting Program and incorporates the CEQA findings contained in Planning Commission Motion Nos. 20247 and 20248 by this reference thereto as though set forth in this Resolution; and be it

FURTHER RESOLVED, This Commission further finds that since the FEIR was finalized, there have been no substantial project changes and no substantial changes in project circumstances that would require major revisions to the FEIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the FEIR; and be it

FURTHER RESOLVED, That this Commission hereby consents to the Development Agreement between the City and the Developer substantially in the form and on the terms as outlined in the Development Agreement with respect to the items under the SFPUC's jurisdiction, and authorizes the General Manager to execute the SFPUC Consent to the Development Agreement attached to the Development Agreement on behalf of this Commission; and be it

FURTHER RESOLVED, That any decision related to acceptance of the Decentralized Non-Potable Water Reuse System (DNWRS) by the SFPUC would require Commission approval; and be it

FURTHER RESOLVED, That if the SFPUC determines it is feasible to provide electricity for the Project Site, then the SFPUC will be the exclusive power provider to the Project Site and will provide electric power to the project pursuant to its Rules and Regulations for electric service and the Commission authorizes the General Manager to execute an Electric Service Agreement with Developer for such purpose, subject to completion of any necessary CEQA review; and be it

FURTHER RESOLVED, That, subject to appropriation of any necessary funds, this Commission authorizes the SFPUC General Manager, to take any and all steps (including, but not limited to, the execution and delivery of any and all land use approvals, easements, entitlements, permits, agreements, notices, consents, and other instruments or documents) as he or she deems necessary or appropriate, in consultation with the City Attorney, in order to consummate and perform its obligations under the Development Agreement in accordance with this Resolution and legislation by the Board of Supervisors, or otherwise to effectuate the purpose and intent of this Resolution and such legislation; and be it

FURTHER RESOLVED, That, in the event that implementation of the Development Agreement and Infrastructure Plan necessitates the vacation of any streets or easements in which the SFPUC has assets or an ownership interest, the Commission hereby declares such assets to be surplus to its utility needs conditioned upon the Developer's satisfaction of all obligations in the Development Agreement and Infrastructure Plan and subject to SFPUC's receipt of assets or other consideration of equivalent value; and be it

FURTHER RESOLVED, That, by consenting to the Development Agreement between the City and the Developer, the Commission does not intend to in any way limit, waive or delegate to other City entities the exclusive authority of the SFPUC as set forth in Article VIIIB of the City's Charter; and be it

FURTHER RESOLVED, That the approval under this Resolution shall take effect upon the effective date of the Board of Supervisors legislation approving the Development Agreement.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of October 23, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

AGENDA
Tuesday, November 13, 2018
1:30 P.M.

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว ยเหลอ ท"งภ"ษ"โดยไมเ ส'ยคาใชจ าย / Libreng tulong para sa wikang Tagalog ยเหลอ

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of October 23, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Franchise Compliance Reports
   e) Declaration of Emergency: Repair Southeast Treatment Plant Final Effluent Force Main
   f) Tenderloin Street Light Improvement Project Update
   g) Water System Improvement Program Status of Construction Change Orders
   h) Water Supply Conditions Update

6. Other Commission Business (discussion)

7. Report of the General Manager (discussion) (Kelly, Jr.)
   a) CleanPowerSF Update
   b) Bay Delta Water Quality Control Plan Update
   c) Quarterly Audit and Performance Review Report
      i. Citywide Fleet Management Performance Audit
      ii. Political Activity Fund Compliance Assessment FY 2015-16
      iii. Annual Physical Inventory Count FY 2017-18
      iv. 2014 Earthquake Safety & Emergency Response Bond Expenditure Audit
   d) Quarterly Budget Status Report
   e) Garden Project Status Update
   f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Water System Improvement Program Quarterly Update: Local and Regional Reports (discussion) (How)

9. Bay Area Water Service Conservation Agency Update (discussion) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

10. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission, and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

180182 a) Award **Job Order Contract No. JOC-72**, Electrical (C-10 License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $1,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole qualified, responsible, and responsive bidder, Albert Electric, LLC, to perform electrical contracting tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus. (How)

180183 b) Approve an increase of 102 consecutive calendar days (approximately three months, 12 days) to the existing 67-day construction contract duration contingency for **Contract No. WD-2794A**, Sunol Long Term Improvements Sunol Corporation Yard; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 837 consecutive calendar days (approximately two years and four months), with no change in contract cost contingency. (How)

REGULAR CALENDAR

180184 11. Adopt a resolution recommending that the Board of Supervisors adopt an ordinance requiring sellers or landlords of real property in San Francisco to disclose to prospective buyers or tenants if the property is located within the flood risk zone delineated on the San Francisco Public Utilities Commission's **100-Year Storm Flood Risk Map**, and requiring the Department of Building Inspection's Report of Residential Building Record to include a disclosure statement for property located within the flood risk zone. (Norby)

180185 12. Adopt resolution recommending that the Board of Supervisors adopt an **ordinance extending the sunset date of the Revenue Bond Oversight Committee** for an additional six years to January 1, 2025. (Sandler)

180186 13. Approve **Community Choice Aggregator Service Agreement** with Pacific Gas and Electric Company for continued services to the CleanPowerSF program; and authorize the General Manager to execute this agreement with a term of 10 years and submit it to the Board of Supervisors for approval. (Hale)

180187 14. Approve **Hetch Hetchy Power's Integrated Resource Plan** (IRP) and accompanying IRP Filing; and authorize the General Manager to submit the IRP Filing to the California Energy Commission prior to April 30, 2019. (Hale)

180188 15. Authorize the expansion of the **Power Enterprise Commercial Paper Program** from $90 million to a not-to-exceed amount of $250 million, and direct the General Manager to request approval from the Board of

Supervisors for such expansion; approve forms of Letter of Credit agreements with Bank of America and Sumitomo Mitsui Bank, each in the principal amount not to exceed $125 million (exclusive of 270 days' interest), and approve a form of amended dealer agreement in support of the Program; and authorize the General Manager to enter into separate agreements with Bank of America for an amended Letter of Credit, Sumitomo Mitsui Bank for a new Letter of Credit, and Barclays, Goldman Sachs, and RBC Capital Markets for amended dealer agreements related to the Program. (Sandler)

16. Approve the grant program guidelines for the **Green Infrastructure Grant Program**, delegate to the General Manager the authority to negotiate, award and execute grant agreements of up to $2,000,000 each, and each with a term of 20 years, recommend that the Board of Supervisors adopt an ordinance
180189 delegating its authority under Charter Section 9.118 to the SFPUC General Manager to execute such grant agreements for a term in excess of 10 years. (Norby)

17. Public Comment on matters to be addressed during Closed Session

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2) (discussion) (Gessner)

Anticipated Litigation as Plaintiff

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action) (Sheinfield)

Existing Litigation:
David Alfaro et al v. City and County of San Francisco
180190 *Unlitigated File No.: CGC-15-547492*
Date Filed: August 20, 2015
Proposed partial settlement of action as to the property damage claim of Susan Garduno, one of numerous plaintiffs; several co-plaintiffs remaining in litigation.
Proposed Settlement amount: $105,000.

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1) (action) (Rothschild)

180191 Existing Claim:
Sambou Makalou v. City and County of San Francisco
Unlitigated File No.: 18-03090

Date Filed: June 27, 2018
Proposed settlement of claim with claimant release of all claims and the City to pay claimant $124,523.97

Following Closed Session, the Commission will reconvene in Open Session

22. Announcement Following Closed Session

23. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

24. Other New Business (discussion only)

25. Adjournment

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

CANCELLATION NOTICE

The regular meeting of the
San Francisco Public Utilities Commission
Tuesday, November 27, 2018
1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

HAS BEEN CANCELLED

Commissioners
Vince Courtney President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

Minutes
Tuesday, November 13, 2018
1:30 P.M.
(Approved December 11, 2018)

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Courtney called the meeting to order at 1:32 PM.

2. Roll Call
   Present: Courtney, Caen, Vietor, Moran and Kwon

3. Approval of the Minutes of October 23, 2018
   On Motion to approve the Minutes of October 23, 2018:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

4. General Public Comment
   None.

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Franchise Compliance Reports
   e) Declaration of Emergency: Repair Southeast Treatment Plant Final Effluent Force Main
   f) Tenderloin Street Light Improvement Project Update
   g) Water System Improvement Program Status of Construction Change Orders
   h) Water Supply Conditions Update

   No public comment.

6. Other Commission Business
   None.

7. Report of the General Manager
   a) CleanPowerSF (CPSF) Update
   Barbara Hale, Assistant General Manager (AGM) Power, provided the update: (1) Enrollment and Service to Customers: Serving 109,000 active accounts; 3.2% opt-out rate; 3.6% SuperGreen upgrade rate; (2) Regulatory: Will know by the end of December what the PCIA (exit fee) will be and expect 0-50% increase depending on customer class. PG&E will reduce generation rates next year. The combination of a PCIA increase and generation rate decrease will likely mean CCA customers will pay more for CleanPowerSF (CPSF) service than PG&E customers, unless the Commission takes action. Staff will propose a rate action for Commission consideration at the December 11th meeting to ensure CPSF can offer competitive rates for existing and anticipated customers. Rather than reduce generation rates to absorb the PG&E rate impact staff will propose to leave the generation rate the same and include a credit on CPSF bills to absorb the PCIA increase.

AGM Hale responded to a question from Commissioner Vietor regarding the potential credit and savings to customers. Brief discussion ensued.

No public comment.

b) Bay Delta Water Quality Control Plan Update

Steve Ritchie, AGM Water, provided the update: Recent activity; New actions for the SFPUC water supplies to develop: (1) Daly City Recycled Water Expansion (3 MGD); (2) Alameda County Water District Partnership I (5 MGD); (3) Alameda County Water District Partnership II (5 MGD); (4) Brackish Water Desalination in Contra Costa County (9+ MGD); (5) Storage capacity in Los Vaqueros Reservoir expansion; (6) Calaveras Reservoir expansion of 289,000 acre-feet; (7) Potable reuse with Silicon Valley Clean Water (6+ MGD); (8) Evaluation of recycled water throughout service area; and (9) innovative technology project funding.

Commissioner Vietor requested information regarding timelines and costs for the proposed water supply projects and that the information be provided prior to any workshop or budget discussions.

AGM Ritchie responded to a question from Commissioner Vietor regarding stormwater that is released into the bay and of any recapture possibilities.

Commissioner Moran stated that in addition to stormwater release, affluent from treatment plant needs to be part of the equation.

AGM Ritchie responded to a question from Vice President (VP) Caen as to whether desalination with brackish water is cheaper than with sea water.

Commissioner Vietor noted there are environmental impacts with desalination.

Public Comment

- *Bill Martin, Sierra Club, expressed support for the State Water Resources Control Board Plan.*
- *Dick Allen expressed concerns that the SFPUC's Tuolumne River water policies aren't compliant with the Endangered Species Act.*
- *Nicole Sandkulla, BAWSCA, thanked GM Kelly for his leadership and sending a clarifying letter to Board of Supervisors. She thanked Mayor Breed for her veto. She stated BAWSCA wants voluntary settlements.*
- *Peter Drekmeier, Tuolumne River Trust, discussed the Land Use and Transportation Committee hearing and subsequent actions. He discussed the State Board proposal.*
- *Jeralyn Moran, Unitorian Universalist Church of Palo Alto, expressed displeasure with the SFPUC's position regarding the Bay Delta Plan.*
- *Eric Sklar expressed shock with the SFPUC's position regarding the Bay Delta Plan and urged support.*

- *Barry Nelson, Golden Gate Salmon Association, took exception with the recent activity timeline presented by AGM Ritchie; discussed the Board of Supervisors resolution; State Board proposal, and suggested actions.*
- *Noah Oppenheim, Pacific Coast Federation of Fisherman's Association, discussed the Board resolution and subsequent veto. He read portion of a letter that was sent to the Mayor in response to her veto and a letter from Governor Brown and Lieutenant Governor Newsom.*
- *Dave Warner discussed his email to the Commission regarding Mr. Michael Carlin's testimony to the Land Use and Transportation Committee. He presented a graph rating the importance of water with voters.*
- *John McManus, Golden Gate Salmon Association, expressed the need for a "Plan B" for alternate water supplies. He commented on voluntary settlement. He encouraged support for the State Board proposal. He read on behalf of Linda Corso who was unable to attend the meeting.*
- *Barry Hermanson, Sierra Club, discussed his conservation efforts and the importance of water.*

Commissioner Moran thanked the speakers. He noted AGM Ritchie's presentation discussed need for alternative water supplies, that instream flow requirements are a part of the planning for San Mateo and Alameda Creeks, and that the Tuolumne needs to be added irrespective of the State Board's findings. He notes significant investment and planning is needed. He stated the Non-Governmental Organizations (NGO) letter was helpful to broaden critique. He discussed the need for planning and transparency.

President Courtney indicated movement is taking place and that advocates, leaders, and workers are making points and are being heard. He stated the Commission takes its role seriously and want to do the right thing.

Commissioner Vietor thanked the NGO's for their comments and for holding the Commission accountable. She stated the Commission supports the health of the fish and ecosystem.

c) Quarterly Audit and Performance Review Report
   i. Citywide Fleet Management Performance Audit
   ii. Political Activity Fund Compliance Assessment FY 2015-16
   iii. Annual Physical Inventory Count FY 2017-18
   iv. 2014 Earthquake Safety & Emergency Response Bond Expenditure Audit

Nancy Hom, Deputy Chief Financial Officer (CFO), presented the report. She indicated there have been 34 audits and assessments to-date (six completed, 13 in-progress, and 15 upcoming). She noted audits which have started and touched on the four completed audits and reports issued in the first quarter, highlighting the Citywide Fleet Management Performance Audit. Deputy CFO Hom offered a current quarter (ending December 31, 2018) outlook of performance audits that are being completed and of those upcoming. She concluded with a review of prior years, open city services audits and recommendations.

No public comment.

d) Quarterly Budget Status Report
Eric Sandler, CFO and AGM Business Services, provided the update: (1) Observations: positive net results projected for wastewater; wastewater and CleanPowerSF revenues are at budget; water and power have lower revenues as compared to budget; and financial results meet policy targets for coverage and reserves; (2) FY 2019 Water Budget Variances: reduced water sales revenues partially offset by uses cost savings; (3) FY 2019 Wastewater Budget Variances: increased wastewater revenues and uses cost savings; (4) FY 2019 Power Budget Variances: reduced power sales revenues partially offset by cost savings; (5) FY 2019 CleanPowerSF Budget Variances: sales revenue at budget and uses cost savings; and (6) Key Financial Ratios.

At the request of VP Caen, CFO Sandler expand on the lack of power sales.

No public comment.

e) Garden Project Status Update
Zoon Nguyen, Infrastructure, provided the update beginning with the history and background of the Garden Project and the evolution from job training to workforce development pathways. She continued with a discussion of the following: (1) Fourteen-year partnership with the San Francisco Sheriff's Department; (2) Fourteen-year job training program history with the Garden Project (year-round and summer programs); (3) Garden Project delivery of maintenance on SFPUC properties by at-risk populations at The Farm, reservoirs, Crystal Springs, and Hetch Hetchy; (4) Lessons learned – a collaboration with Sheriff; (5) Moving forward; (6) Pathway Model with a pre-apprenticeship component; (7) Pathways for graduates who successfully complete the two-year program; and (8) Key milestones through the end of the fiscal year.

No public comment.

f) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements
None.

8. Water System Improvement Program (WSIP) Quarterly Update: Local and Regional Reports
Dan Wade, Director Capital Projects and Programs, provided the report: (1) WSIP Program status is 96% complete with $4,404M expended; (2) Calaveras Dam Replacement Project and ribbon cutting; (3) Alameda Creek Diversion Dam Fish Passage Facilities; (4) Alameda Whipsnake; and (5) Regional Groundwater Storage and Recovery test wells.

Director Wade responded to a question from Commissioner Moran regarding additional in-stream flow requirements when the project is completed.

Commissioner Vietor discussed diversification of the water supply and the thought of the Calaveras Dam expansion and asked if any efficiencies could be gained with the acceleration of expansion. Brief discussion ensued.

Commissioner Kwon congratulated staff on their work with the Whipsnake.

No public comment.

9. Bay Area Water Service Conservation Agency Update
Nicole Sandkulla,BAWSCA, indicated that their September 2018 total potable water use 14% less than in September 2013.

She stated the Request for Proposal has been issued for their regional demand and concertation projections study, with the goal to develop transparent, defensible demand projections for each agency using consistent methodology. She outlined the key tasks and project schedule: January 2019 consultant selection; March 2018 project commencement; and June 2020 final report.

No public comment.

10. *Consent Calendar*
   a) Award Job Order Contract No. JOC-72, Electrical (C-10 License) for San Francisco, San Mateo, Santa Clara and Alameda Counties, for a total contract amount not-to-exceed $1,000,000, with a minimum guaranteed amount of $50,000 and a duration of two years, to the sole qualified, responsible, and responsive bidder, Albert Electric, LLC, to perform electrical contracting tasks for all San Francisco Public Utilities Commission Enterprise Operations and Bureaus. (Resolution 18-0182)

   b) Approve an increase of 102 consecutive calendar days to the existing 67-day construction contract duration contingency for Contract No. WD-2794A, Sunol Long Term Improvements Sunol Corporation Yard; and authorize the General Manager to approve future modifications to the contract, for a total revised contract duration of up to 837 consecutive calendar days, with no change in contract cost contingency. (Resolution 18-0183)

   On Motion to approve Consent Calendar items 10a through 10b:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

11. Adopt a resolution recommending that the Board of Supervisors adopt an ordinance requiring sellers or landlords of real property in San Francisco to disclose to prospective buyers or tenants if the property is located within the flood risk zone delineated on the San Francisco Public Utilities Commission's 100-Year Storm Flood Risk Map, and requiring the Department of Building

Inspection's Report of Residential Building Record to include a disclosure statement for property located within the flood risk zone. (Resolution 18-0184)
Greg Norby, AGM Wastewater, introduced item and Sarah Minick who provided the update.

Ms. Minick reviewed the process and steps taken to develop the 100-Year Storm Flood Risk Map. She described the extensive public outreach has taken place to inform residents of the process. She described the ordinance and requested Commission approval.

Ms. Minick responded to a question from Commissioner Moran as to whether there was adverse reaction to the map.

Ms. Minick responded to a question from Commissioner Kwon as to whether there was confusion regarding vernacular regarding floodwater.

Deputy City Attorney Francesca Gessner responded to a question from VP Caen regarding the ordinance and if there any legal protections for the City. Brief discussion ensued.

On Motion to approve item 11
Aye: Courtney, Caen, Vietor, Moran and Kwon

Public Comment
- *Marilyn Amini requested that the item be delayed until January and that notices be mailed to those affected by the ordinance. She discussed the review process.*

There was brief discussion regarding Ms. Amini's comments and concerns.

12. Adopt resolution recommending that the Board of Supervisors adopt an ordinance extending the sunset date of the Revenue Bond Oversight Committee for an additional six years to January 1, 2025. (Resolution 18-0185)

On Motion to approve item 12
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

13. Approve Community Choice Aggregator Service Agreement with Pacific Gas and Electric Company for continued services to the CleanPowerSF program; and authorize the General Manager to execute this agreement with a term of 10 years and submit it to the Board of Supervisors for approval. (Resolution 18-0186)

On Motion to approve item 13
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

14. Approve Hetch Hetchy Power's Integrated Resource Plan (IRP) and accompanying IRP Filing; and authorize the General Manager to submit the IRP Filing to the California Energy Commission prior to April 30, 2019. (Resolution 18-0187)

Public Comment

- *Nicole Sandkulla, BAWSCA, requested that the Commission adopt the item as written, but direct staff to analyze and report back to the Commission: (1) as part of future IRPs, the potential impacts of those updates on the ability of the SFPUC to satisfy its water supply reliability goals and possible financial impacts to water ratepayers; and (2) any impacts this IRP has on budgets or planning on capital investments during the upcoming budget process.*

AGM Hale noted the fifth Whereas clause in the resolution and stated the IRP is a planning tool and is not intended to constrain or direct any particular budget decision making, but rather to provide additional information for power operation planning as required by SB350 and is not intended to modify budget considerations. Brief discussion ensued regarding Ms. Sandkulla's request.

On Motion to approve item 14 and direct staff to report back to the Commission on the two items requested by Ms. Sandkulla as noted during public comment.
Aye: Courtney, Caen, Vietor, Moran and Kwon

15. Authorize the expansion of the Power Enterprise Commercial Paper Program from $90 million to a not-to-exceed amount of $250 million, and direct the General Manager to request approval from the Board of Supervisors for such expansion; approve forms of Letter of Credit agreements with Bank of America and Sumitomo Mitsui Bank, each in the principal amount not to exceed $125 million (exclusive of 270 days' interest), and approve a form of amended dealer agreement in support of the Program; and authorize the General Manager to enter into separate agreements with Bank of America for an amended Letter of Credit, Sumitomo Mitsui Bank for a new Letter of Credit, and Barclays, Goldman Sachs, and RBC Capital Markets for amended dealer agreements related to the Program. (Resolution 18-0188)
Rich Morales, Debt Manager, summarized the action being requested of the Commission and requested approval.

On Motion to approve item 15
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

16. Approve the grant program guidelines for the Green Infrastructure Grant Program, delegate to the General Manager the authority to negotiate, award and execute grant agreements of up to $2,000,000 each, and each with a term of 20

years, recommend that the Board of Supervisors adopt an ordinance delegating its authority under Charter Section 9.118 to the SFPUC General Manager to execute such grant agreements for a term in excess of 10 years. (Resolution 18-0189)

AGM Norby introduced the item and Sarah Bloom, Utility Planning Division, who present the item: (1) Program Summary: drivers, goals, responsibilities, and two-year budget; (2) Program development process: pilot project, and stakeholder outreach; (3) Program: eligibility criteria, co-benefits, maximum grant amount, eligible costs, maintenance obligation and inspection responsibility, and technical assistance; and (4) Next steps.

Ms. Bloom responded to a question from Commissioner Vietor regarding project monitoring and the meeting of benchmarks.

Ms. Bloom responded to a question from Commissioner Kwon as to whether project includes Front Yard Ambassadors.

President Courtney asked Ms. Bloom who has responsibility for project monitoring and stated that it is not enough to say the agency has "the right to inspect" but rather that they will regularly inspect. President Courtney asked that a requirement be added that regular inspections will be conducted.

On Motion to approve item 16
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

17. Public Comment on matters to be addressed during Closed Session
None

18. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

The Commission entered Closed Session at 4:05 PM.

19. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2)
Anticipated Litigation as Plaintiff

20. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)

Existing Litigation:
David Alfaro et al v. City and County of San Francisco
Unlitigated File No.: CGC-15-547492
Date Filed: August 20, 2015
Proposed partial settlement of action as to the property damage claim of Susan Garduno, one of numerous plaintiffs; several co-plaintiffs remaining in litigation.
Proposed Settlement amount: $105,000.
(Resolution 18-0191)

21. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (1) and San Francisco Administrative Code Section 67.10 (d) (1)
Existing Claim:
Sambou Makalou v. City and County of San Francisco
Unlitigated File No.: 18-03090
Date Filed: June 27, 2018
Proposed settlement of claim with claimant release of all claims and the City to pay claimant $124,523.97
(Resolution 18-01xx)

The Commission exited Closed Session at 4:35 PM.

22. Announcement Following Closed Session
None.

23. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

On Motion not to disclose
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

24. Other New Business
President Courtney announced that the meeting of November 27, 2018 has been cancelled.

No public comment.

25. Adjournment
President Courtney adjourned the meeting at 4:36 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0182**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) advertised Micro-Local Business Enterprise (LBE) Set Aside Job Order Contract (JOC) No. JOC-72, Electrical (C-10 License), San Francisco, San Mateo, Santa Clara and Alameda Counties, on July 3, 2018; and

WHEREAS, The not-to-exceed amount is $1,000,000 with a guaranteed minimum amount of $50,000 for this construction contract to accomplish electrical construction work for all SFPUC Enterprises, Operations, and Bureaus; and

WHEREAS, The contract duration is two (2) years; and

WHEREAS, The Bureau of Environmental Management determined that approval of this contract does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment. No task order under this contract will be released for construction until environmental review has been completed; and

WHEREAS, The work under this JOC has been competitively bid per unit price and the basis of selecting a contractor is the lowest responsible, responsive bidder for the work under these subsequent task orders; and

WHEREAS, Two (2) bids were received and opened publicly on August 23, 2018; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the bid for qualifications, responsibility, and responsiveness resulted in the establishment of Albert Electric, LLC as the sole, qualified, responsible, and responsive bidder; and

WHEREAS, The Award Criteria Figure from Albert Electric, LLC. was 1.5310; and

WHEREAS, CMD subcontracting participation requirement and bid discount do not apply to Micro- LBE Set Aside Contracts; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two (2) weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible, and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funding will be available from various SFPUC Enterprise Funds when Task Orders are issued; now, therefore, be it

RESOLVED, That this Commission hereby awards Micro-LBE Set Aside Job Order Contract No. JOC-72, Electrical (C-10 License), San Francisco, San Mateo, Santa Clara and Alameda Counties, for a not-to-exceed amount of $1,000,000 with a minimum guaranteed amount of $50,000, and a duration of two years, to the sole, qualified, responsible, and responsive bidder, Albert Electric, LLC.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0183**

WHEREAS, On November 8, 2016, per Resolution No. 16-0234, this Commission approved the award of Water Enterprise, 10-Year Capital Improvement Program-funded Contract No. WD-2794A, Sunol Long Term Improvements –Corporation Yard, to S.J. Amoroso Construction Company, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was January 17, 2017; and

WHEREAS, The original contract amount was $31,777,000 and the original contract duration was 668 consecutive calendar days; and

WHEREAS, Section 6.22(h)(2) of the Administrative Code requires that any cumulative extensions of duration in excess of 10% of the original contract duration to complete construction work be approved by the Commission; and

WHEREAS, Contract Modification Nos. 1-3 were issued by staff to provide additional asbestos testing, install sewer lines at Administration Building and Shops, install cathodic protection systems on underground pipelines, address differing site conditions related to unsuitable subgrade material, and modify construction activities related to unforeseen Native American burials and historic features discovered within the Sunol Yard, increasing the contract by $422,287, for a total revised contract amount of $32,199,287; and

WHEREAS, An increase to the existing 67-day contract duration contingency in the amount of 102 consecutive calendar days is requested for time extension associated with the discovery and relocation of additional unforeseen Native American burials and historic features within the Sunol Yard; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 15% for this contract, and the contractor committed to a LBE participation of 16.51% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUW-27701 Sunol Long Term Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing 67-day contract duration contingency in the amount of 102 consecutive calendar days, for a total contract duration contingency of 169 consecutive calendar days for Water Enterprise, 10-Year Capital Improvement Program funded Contract No. WD-2794A, Sunol Long Term Improvements – Sunol Corporation Yard; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract duration for a total contract duration of up to 837 consecutive calendar days, with no change in the contract cost contingency.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0184**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) has developed a 100-Year Storm Flood Risk Map (Map) that shows the areas of San Francisco where significant flooding from storm runoff is highly likely to occur during a 100-year storm, which is a storm that has a 1% chance of occurring in any given year; and

WHEREAS, The SFPUC used hydrologic and hydraulic computer modeling that simulates flooding occurring Citywide under a 100-year storm to identify the 100-Year Storm Flood Risk Zones depicted on the Map; and

WHEREAS, Parcels within the 100-Year Storm Flood Risk Zones are highly likely to experience "deep and contiguous" flooding during a 100-year storm, which means flooding that is at least six inches deep spanning an area at least the size of half an average City block; and

WHEREAS, The purpose of the Map is to inform existing and future property owners about flood risk on their properties so that property owners may take steps to protect their property from stormwater flood risk; and

WHEREAS, In May 2018, SFPUC sent a letter to every owner of parcels located in the 100-Year Storm Flood Risk Zones which included the draft Map, flood insurance information, web links to SFPUC resources, and information on public availability sessions; and

WHEREAS, In June 2018, the SFPUC hosted several public availability sessions to engage with the public, answer questions, and provide information on flood resiliency, and on July 25, 2018, this Commission held a public hearing to discuss the draft version of the Map; and

WHEREAS, On September 25, 2018, by Resolution No. 18-0159, this Commission adopted the Map and adopted the Rules and Criteria for the 100-year Storm Flood Risk Map Parcel Review Process governing the process by which, upon request from a property owner, SFPUC staff will review individual parcels to determine the accuracy of parcel's inclusion in the Flood Risk Zone and, if justified, remove parcels from the 100-Year Storm Flood Risk Zones shown on the Map; and

WHEREAS, It is in the public interest to ensure that prospective buyers and tenants are aware of stormwater flood risks before buying or renting real property in San Francisco, and mandatory written disclosure of flood risk at the point of sale, or before signing a lease, is an effective tool for ensuring that buyers and tenants of real property in San Francisco have access to this information prior to an acquisition or tenancy; now, therefore, be it

RESOLVED, That this Commission hereby recommends that the Board of Supervisors adopt an ordinance, in substantially the same form as on file with the Commission Secretary and attached hereto, requiring sellers and lessors of real property in San Francisco to disclose in writing to prospective buyers and tenants if a property is located within the 100-Year Storm Flood Risk Zone depicted on the SFPUC 100-Year Storm Flood Risk Map.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Wood

Secretary, Public Utilities Commission

FILE NO. ORDINANCE NO.

[Police, Housing Codes - Required Disclosure of Storm Flood Risks] DRAFT 10-26-18

Ordinance amending the Police Code to require sellers or landlords of real property in San Francisco to disclose to buyers or tenants that the property is located within the flood risk zone delineated on the San Francisco Public Utilities Commission's 100-Year Storm Flood Risk Map, and amending the Housing Code to require that the Department of Building Inspection's Report of Residential Building Record include a disclosure statement for property located within the flood risk zone; and affirming the Planning Department's determination under the California Environmental Quality Act.

NOTE: **Unchanged Code text and uncodified text** are in plain Arial font.
Additions to Codes are in *single-underline italics Times New Roman font*.
Deletions to Codes are in ~~*strikethrough italics Times New Roman font*~~.
Board amendment additions are in double-underlined Arial font.
Board amendment deletions are in ~~strikethrough Arial font~~.
Asterisks (* * * *) indicate the omission of unchanged Code subsections or parts of tables.

Be it ordained by the People of the City and County of San Francisco:

Section 1. Environmental Findings.

The Planning Department has determined that the actions contemplated in this ordinance comply with the California Environmental Quality Act (California Public Resources Code Sections 21000 et seq.). Said determination is on file with the Clerk of the Board of Supervisors in File No. _____ and is incorporated herein by reference. The Board affirms this determination.

Section 2. The Police Code is hereby amended by adding Article 51, consisting of Sections 5100 through 5104, to read as follows:

ARTICLE 51. STORMWATER FLOOD RISK DISCLOSURE

SEC. 5100. FINDINGS AND PURPOSE.

(a) As San Francisco has grown, its hilly topography has been paved over, and naturally formed historic waterways have been incorporated into the City's combined sewer and stormwater collection system that routes both overland runoff and sanitary sewage to the City's treatment plants.

(b) During intense storms, when there is more rain than the collection system is designed to handle, certain areas of the City are subject to flood risk from stormwater. The location of these flood-prone areas generally aligns with the City's historic waterways and areas that are built on landfill.

(c) Flooding in these areas can result in property damage which negatively impacts affected residents and businesses.

(d) The San Francisco Public Utilities Commission performed a technical analysis to develop a 100-Year Storm Flood Risk Map that identifies those parcels in San Francisco that are at risk of deep and contiguous flooding during a storm with a 100-year return period, meaning a storm having a 1% chance of occurring in a given year.

(e) It is in the public interest to ensure that owners of real property at risk of deep and contiguous flooding from stormwater have accurate information about the flood risk so they can take steps to mitigate the risk.

(f) For that reason, and also to ensure fairness in real property transactions, it is also in the public interest to ensure that people are aware of stormwater flood risks before buying or renting real property. Mandatory disclosure at the point of sale, or before signing a lease, is an effective tool for ensuring that buyers and tenants of real property have access to this information.

SEC. 5101. DEFINITIONS.

"100-Year Storm" means a storm that has a 1% probability of occurring at a particular location in a given year.

"100-Year Storm Flood Risk Map" means the map approved by the San Francisco Public Utilities Commission at a public hearing identifying Flood Risk Parcels in San Francisco, which map may be updated from time to time.

"Commission" means the San Francisco Public Utilities Commission.

"Deep and Contiguous Flooding" for purposes of the 100-Year Storm Flood Risk Map means flooding that (1) is at least six inches in depth and (2) covers a contiguous area the size of at least half a City block.

"Disclosure Statement" means the disclosure statement in Section 5102(b).

"Execution" means the making or acceptance of an offer.

"Flood Risk Parcel" means a parcel that has been identified as subject to Deep and Contiguous Flooding in a 100-Year Storm on the most recently published 100-Year Storm Flood Risk Map, including, without limitation, parcels that are used for residential, commercial, industrial, and other uses.

"Transfer" means the transfer, sale, grant, gift, exchange, lease, or sublease (regardless of duration of the Transfer) of all or part of a Flood Risk Parcel. A Transfer does not include those transfers listed in California Civil Code Section 1102.2, as amended from time to time. For purposes of this Article 51, a Transfer may be accomplished without or with a contract, including, but not limited to, a deed, a purchase and sale agreement, an installment land sale contract, a lease with an option to purchase, any other option to purchase, a ground lease coupled with improvements, or any other lease.

"Transferee" means a recipient of all or part of a Flood Risk Parcel in a Transfer, including, without limitation, a buyer, tenant, exchange, or grantee.

"Transferor" means a conveyor of all or part of a Flood Risk Parcel in a Transfer, including, without limitation, a seller, landlord, exchanger, or grantor.

SEC. 5102. DISCLOSURE REQUIREMENT.

(a) ***Disclosure Mandate.***

*(1) **Conditions Precedent**. The disclosure requirement set forth in this subsection (a) shall apply after 30 days have elapsed from the Commission's completing both of the following:*

(A) approval of a 100-Year Storm Flood Risk Map at a publicly noticed hearing and mailing notice after approval to all owners of Flood Risk Parcels that are located within the flood zone boundaries delineated on the Map; and

(B) adoption of rules and criteria that allow an owner or landlord of a Flood Risk Parcel to request review of the designation of the parcel as a Flood Risk Parcel in the 100-Year Flood Risk Map based on specified technical grounds. Such rules and criteria shall provide that the filing of a request for review shall stay application of the disclosure requirement in this subsection (a) with respect to the applicable Flood Risk Parcel until the General Manager or his or her designee completes the review and issues a final determination as to whether the parcel shall be re-designated on the Map.

If a Transferor wishes to Transfer its real property while the review and determination are pending, the Transferor must disclose that the real property has been designated a Flood Risk Parcel in accordance with this Article 51 but that a request for review has been filed and is pending.

*(2) **Disclosure Requirement**. The Transferor of a Flood Risk Parcel shall deliver to each prospective Transferee the Disclosure Statement, as follows:*

(A) If the Transfer is a sale, then as soon as practicable before transfer of title.

(B) If the Transfer is a transfer by a real property sales contract, or by a lease with an option to purchase, or by a ground lease coupled with improvements, or by any other lease, then as soon as practicable before Execution of the contract or lease.

*(b) **Contents of Disclosure**. The Disclosure Statement shall be on a separate form and shall state the following, in the font size shown, the size of which shall make the Disclosure Statement easily readable. The Commission or Commission staff shall have authority to approve nonmaterial changes in the Disclosure Statement:*

LOCAL OPTION

REAL ESTATE TRANSFER DISCLOSURE STATEMENT

THIS DISCLOSURE STATEMENT CONCERNS THE REAL PROPERTY SITUATED IN THE CITY AND COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, DESCRIBED AS BLOCK _____, LOT _____, AT THE FOLLOWING STREET ADDRESS: _____.

THIS STATEMENT IS A DISCLOSURE OF THE CONDITION OF THE ABOVE-DESCRIBED PROPERTY IN COMPLIANCE WITH ORDINANCE NO. _____, CODIFIED AS ARTICLE 51 OF THE SAN FRANCISCO POLICE CODE. IT IS NOT A WARRANTY OF ANY KIND BY THE TRANSFEROR(S) OR ANY AGENT(S) REPRESENTING ANY PRINCIPAL(S) IN THIS TRANSACTION, AND IS NOT A SUBSTITUTE FOR ANY INSPECTIONS OR WARRANTIES THE PRINCIPAL(S) MAY WISH TO OBTAIN.

I

TRANSFEROR'S INFORMATION

The Transferor discloses the following information with the knowledge that even though this is not a warranty, prospective Transferees may rely on this information in deciding whether and on what terms to purchase, rent, or lease the subject property. Transferor hereby authorizes any agent(s) representing any principal(s) in this transaction to provide a copy of this statement to any person or entity in connection with any actual or anticipated transfer (including any sale or lease) of the property.

THE FOLLOWING ARE REPRESENTATIONS MADE BY THE TRANSFEROR(S) AS REQUIRED BY THE CITY AND COUNTY OF SAN FRANCISCO AND ARE NOT THE REPRESENTATIONS OF THE AGENT(S), IF ANY. THIS INFORMATION IS A DISCLOSURE AND IS NOT INTENDED TO BE PART OF ANY CONTRACT BETWEEN THE TRANSFEROR AND TRANSFEREE.

The City and County of San Francisco recognizes that it is in the public interest to ensure that persons who own properties at risk of flooding have information about their flood risk so they can take steps to mitigate the risk, such as flood-proofing their property or purchasing flood insurance. It is also in the public interest to ensure that before persons purchase, rent, or lease real property they have notice regarding the stormwater flood risk to their property. Mandatory disclosure before sale, rent, or lease is an effective tool for ensuring that buyers and tenants of real property in San Francisco have access to this important information.

Accordingly, the San Francisco Public Utilities Commission has adopted the 100-Year Storm Flood Risk Map. ***Your property is located in a "100-year storm flood risk zone" as shown on the 100-Year Storm Flood Risk Map. Accordingly, your property may be subject to deep and contiguous flooding during a 100-year storm event due to stormwater flow and drainage, and you may experience inconveniences, costs, and governmental requirements related to that flooding.***

A 100-year storm event means a storm that has a 1% probability of occurring at a particular location in a given year.

If your property is in a "100-year storm flood risk zone" as shown on the 100-Year Storm Flood Risk Map, that does not mean your property is subject to flooding only during a 100-year storm event. Your property may also flood at other times and from other causes.

The 100-Year Storm Flood Risk Map shows only areas subject to flood risk in a 100-year storm event due to precipitation and related stormwater runoff. It does not show all areas of San Francisco that are subject to flood risk due to inundation, storm surge, high tides, stormwater systems blockages, or other causes of flooding, and should not be relied upon to provide a complete assessment of a property's risk of flooding.

The 100-Year Storm Flood Risk Map may be found at https://www.sfwater.org/index.aspx?page=1229 and is on file with the San Francisco Public Utilities Commission at 525 Golden Gate Avenue, San Francisco, CA 94102. For additional information

pertaining to this disclosure and the 100-Year Storm Flood Risk Map, please contact the San Francisco Public Utilities Commission at RainReadySF@sfwater.org or (415) 695-7326.

Transferor certifies that the information herein is true and correct to the best of the Transferor's knowledge as of the date signed by the Transferor.

Transferor _____ *Date* _____

Transferor _____ *Date* _____

II

TRANSFEREE(S) AND TRANSFEROR(S) MAY WISH TO OBTAIN PROFESSIONAL ADVICE AND/OR INSPECTIONS OF THE PROPERTY AND TO PROVIDE FOR APPROPRIATE PROVISIONS IN A CONTRACT BETWEEN TRANSFEREE(S) AND TRANSFEROR(S) WITH RESPECT TO ANY ADVICE/INSPECTIONS/DEFECTS.

I/WE ACKNOWLEDGE RECEIPT OF A COPY OF THIS STATEMENT.

Transferor _____ *Date* _____ *Transferee* _____ *Date* _____

Transferor _____ *Date* _____ *Transferee* _____ *Date* _____

Agent (Broker Representing Seller) _____ *By* _____ *Date* _____

(Please Print) (Associate Licensee or Broker-Signature)

Agent (Broker Obtaining the Offer) _____ *By* _____

Date _____ *(Please Print) (Associate Licensee or Broker-Signature)*

A REAL ESTATE BROKER IS QUALIFIED TO ADVISE ON REAL ESTATE. IF YOU DESIRE LEGAL ADVICE, CONSULT YOUR ATTORNEY.

(c) ***Amendments to the Map****. If, at any time after the Commission's initial adoption of the 100-Year Storm Flood Risk Map, the Commission amends the Map at a public hearing and provides mailed notice to the owners after the hearing of all parcels impacted by such amendment (i.e., any Flood Risk Parcels that were either added to or removed from the Map), the disclosure requirement in subsection (a) shall apply to the Flood Risk Parcels of such amended Map, after 30 days have elapsed from the*

date of the Commission's mailing of the notice. An owner or landlord of a newly-designated Flood Risk Parcel shall have the same right to contest its property identification in the 100-Year Flood Risk Map as is stated in subsection (a)(1)(B).

SEC. 5103. PRIVATE RIGHT OF ACTION.

(a) Any Transferor who fails to provide the disclosure required in Section 5102 may be liable for a civil penalty of $2,000 for each failure to provide the disclosure. This penalty may be assessed and recovered in a civil action brought by a Transferee in any court of competent jurisdiction. .. The civil penalty available under this subsection (a) shall be in addition to any other rights and remedies that may be available to the Transferee.

(b) This Article 51 shall not create any private right of action against the City. In enacting and implementing this Article, the City is assuming an undertaking only to promote the general welfare. It is not assuming, nor is it imposing on its officers and employees, an obligation for breach of which it is liable in money damages to any person who claims that such breach proximately caused injury. The City shall have no duty or liability based on any failure to implement the disclosure required by this Article or based on the City's failure to prosecute or enforce this disclosure requirement.

SEC. 5104. OTHER DISCLOSURE REQUIREMENTS.

Nothing in this Article 51 is intended to alter or limit other disclosures that may be required by applicable law, including but not limited to any disclosure relating to actual flooding that may have occurred on a property.

Section 3. Chapter 3.5 of the Housing Code is hereby amended by revising Section 351, to read as follows:

* * * *

(c) **Contents of Report of Residential Building Record.** The Department of Building Inspection shall, upon application in the manner hereinafter provided, issue a Report of

Residential Building Record to the owner which shall contain, in respect to said residential building, the following information, insofar as ascertainable from City records:

* * * *

(11) (a) Is the building in the Mandatory Earthquake Retrofit of Wood-Frame Building Program?

Yes_____No_____

(b) If yes, has the required upgrade work been completed?

Yes_____No_____

(12) Is the building located within the flood risk zone boundaries delineated on the San Francisco Public Utilities Commission's 100-Year Storm Flood Risk Map?

Yes_____No_____

* * * *

Section 4. Effective Date. This ordinance shall become effective 30 days after enactment. Enactment occurs when the Mayor signs the ordinance, the Mayor returns the ordinance unsigned or does not sign the ordinance within ten days of receiving it, or the Board of Supervisors overrides the Mayor's veto of the ordinance.

Section 5. Scope of Ordinance. In enacting this ordinance, the Board of Supervisors intends to amend only those words, phrases, paragraphs, subsections, sections, articles, numbers, punctuation marks, charts, diagrams, or any other constituent parts of the Municipal Code that are explicitly shown in this ordinance as additions, deletions, Board amendment additions, and Board amendment deletions in accordance with the "Note" that appears under the official title of the ordinance.

Section 6. Severability. If any section, subsection, sentence, clause, phrase, or word of this ordinance, or any application thereof to any person or circumstance, is held to be invalid or unconstitutional by a decision of a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions or applications of the ordinance. The Board of Supervisors hereby declares that it would have passed this ordinance and each and every section, subsection, sentence, clause, phrase, and word not declared invalid or unconstitutional without regard to whether any other portion of this ordinance or application thereof would be subsequently declared invalid or unconstitutional.

APPROVED AS TO FORM:
DENNIS J. HERRERA, City Attorney

By: _____
EILEEN CHAUVET
Deputy City Attorney
n:\legana\as2018\1800301\01246120.docx

DRAFT

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO: 18-0185

WHEREAS, The voters of the City and County of San Francisco approved Proposition P in November 2002 ("Proposition P") to establish the Public Utilities Revenue Bond Oversight Committee, an independent citizens advisory committee ("RBOC") under Chapter V of the San Francisco Administrative Code (Section 5A.30 et seq.); and

WHEREAS, The RBOC's purpose is to conduct audits to ensure the legal and efficient expenditure of revenue bond proceeds on the repair, replacement, upgrading and expansion of the water collection, power generation, water distribution and wastewater treatment facilities operated by the San Francisco Public Utilities Commission ("Commission") of the City and County of San Francisco ("City"); and

WHEREAS, The RBOC meets monthly and provides valuable oversight regarding the expenditure of revenue bond proceeds, and provides annual reports to the public and the Board of Supervisors, among others, regarding its findings; and

WHEREAS, Under Proposition P, the RBOC was originally scheduled to sunset on January 1, 2013, unless extended by ordinance adopted by the Board of Supervisors; and

WHEREAS, The Board of Supervisors has from time to time adopted ordinances to extend the sunset date of the RBOC, and pursuant to Section 5A.36 of the Administrative Code, the RBOC is currently scheduled to sunset on January 1, 2019; and

WHEREAS, Under Proposition H (approved by the voters in November 2001), Propositions A and E (approved by the voters in November 2002), and Proposition A (approved by the voters in June 2018) the Commission is authorized to upgrade its water collection, power generation, water distribution and wastewater treatment facilities through the issuance of revenue bonds; and

WHEREAS, The Commission has an ongoing intensive capital financing program for its respective enterprises, including its Sewer System Improvement Program ("SSIP"), which make up approximately $4 billion of the Commission's 10-Year Capital Plan for Fiscal Years 2018-19 to 2027-28, and which capital improvement projects are intended to bring the City's wastewater and stormwater collection system into a state of good repair, and meet goals and levels of service originally endorsed by the Commission in 2012, 2016 and 2018; and

WHEREAS, In order to continue the oversight work of the RBOC, on September 17, 2018 the RBOC voted to recommend to the Board of Supervisors an extension of its sunset date for six years from January 1, 2019 to January 1, 2025; and

WHEREAS, On October 30, 2018, the SFPUC introduced at the Board of Supervisors an ordinance to extend the sunset date of the RBOC for an additional six years to January 1, 2025, and such ordinance is available in Board File No. 181024; now, therefore, be it

RESOLVED, The Commission hereby finds that the RBOC serves a valuable independent oversight function for SFPUC ratepayers regarding the expenditure of revenue bonds and therefore supports the extension of the RBOC beyond its current sunset date of January 1, 2018; and be it

FURTHER RESOLVED, This Commission recommends that the Board of Supervisors adopt the ordinance in Board File No. 181024 extending the sunset date for the RBOC for an additional six years to January 1, 2025.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0186**

WHEREAS, The San Francisco Board of Supervisors established a CCA program in 2004 (Ordinance 86-04) and has implemented the program, called CleanPowerSF, through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, In order to serve customers, CleanPowerSF must enter a Service Agreement with PG&E to obtain meter reading and billing services and provide for PG&E to remit customer payments to CleanPowerSF; and

WHEREAS, A Service Agreement is a contract governing the business relationship (including billing and payment terms, default and dispute resolution, limits to liability, indemnity, and audits) between a Community Choice Aggregator and the local Investor Owned Utility (in this case, PG&E); and

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) executed a Service Agreement with PG&E on May 27, 2010 with a term of two years; and

WHEREAS, On May 25, 2012, the SFPUC executed an amendment extending the agreement until December 31, 2018; and

WHEREAS, The existing CCA Service Agreement has allowed the City and PG&E, pursuant to CPUC-approved tariffs, to conduct the business necessary to provide CCA service to San Francisco; and

WHEREAS, the proposed Service Agreement would continue PG&E's services to the CCA program for a term of 10 years, until December 31, 2018

WHEREAS, There are no costs under this agreement, other than those already required by the CCA tariff, estimated by CleanPowerSF to be between $1.5 and 2 million per year; therefore, be it

RESOLVED, that this Commission hereby authorizes the General Manager of the Public Utilities Commission to negotiate and execute a Service Agreement with PG&E no later than January 1, 2019, and to submit the agreement to the Board of Supervisors for its approval under Charter Section 9.118(b).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

Please stand

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0187**

WHEREAS, SB 350, passed into law in 2015 (Statutes 2015, Ch. 547), requires that Hetch Hetchy Power 1) prepare an Integrated Resource Plan (IRP); 2) have this Commission approve the IRP as well as an accompanying "IRP Filing" that includes necessary supporting documentation, before January 1, 2019; and 3) submit the approved IRP and IRP Filing to the California Energy Commission (CEC) before April 30, 2019; and

WHEREAS, The goal of an IRP is to assist electric utilities to optimally plan how best to meet their future energy demands at least cost, ensure reliable service, while also ensuring that other public purpose goals such as reducing emissions of greenhouse gases (GHG) and other pollutants are met; and

WHEREAS, Hetch Hetchy Power, working with Black & Veatch Consultants, developed an IRP, the results of which were presented to the Commission at its July 25, 2017 meeting; and

WHEREAS, The IRP forecasted Hetch Hetchy hydroelectric operations out to 2041 under three scenarios and a variety of sensitivity analyses, and providing detailed evaluations for two scenarios, a Scenario 1 that would make all necessary investments to maintain the current level of generation from the San Francisco Public Utilities Commission's (SFPUC) Hetch Hetchy hydroelectric system through 2041 (Baseline Scenario) and a Scenario 3 that examined deferring significant investments to the Moccasin Powerhouse and other water conveyance projects to better align Hetch Hetchy generation with expected retail sales; and

WHEREAS, The IRP's conclusion was that it would be more cost-effective to optimize its investments in the Hetch Hetchy system to better match retail sales, (Scenario 3) although the IRP also noted that its scope did not fully address the impact of any of the scenarios on the SFPUC's Water operations, qualitative factors related to any non-Power Enterprise issues, or to the overall economics of the SFPUC as a whole. Hetch Hetchy Power's IRP results should be considered and used as input to the SFPUC's broader organizational needs taking into account the interaction between the SFPUC's water and power operations; and

WHEREAS, The IRP provides a framework for evaluating future investments in the Hetch Hetchy system; and

WHEREAS, A key purpose of the IRP required by SB350 was to ensure that California's electric utilities make plans to reduce state-wide GHG emissions to 40% below 1990 levels by 2030; and

WHEREAS, The IRP concluded that Hetch Hetchy Power between 2018 and 2030 will: continue to provide 100% GHG-free electric energy to serve all of its customer needs; exceed the GHG-reduction goals set for Hetch Hetchy Power by the California Air Resources Board (CARB); meet its compliance obligation under California's Renewable Portfolio Standards (RPS) program; and provide reliable electric service to meet its customer needs; and

WHEREAS, SB350 requires that Hetch Hetchy Power update its IRP Plan at least once every five years after adoption; and

WHEREAS, Hetch Hetchy Power has examined the need for electric storage not only in this IRP but also in two required reports to the CEC in 2014 and 2017 as required by AB2514 and will address storage resources in future IRPs; and

WHEREAS, The IRP is a planning document which does not commit the SFPUC to any particular course of action. The IRP consists of planning activities prior to consideration and approval of individual projects. No project would commence construction or implementation without the Commission's project review and approval following consideration of completed environmental review. This action does not constitute approval of any project for purposes of CEQA; now therefore be it

RESOLVED, That the Commission approves Hetch Hetchy Power's IRP and accompanying IRP Filing, in substantially the form of the attached Draft IRP Filing; and be it

FURTHER RESOLVED, That the Commission authorizes the General Manager to make necessary non-material changes to the Draft IRP Filing and submit the IRP Filing to the California Energy Commission as soon as practicable but prior to April 30, 2019; and, be it

FURTHER RESOLVED, That the Commission commits to updating Hetch Hetchy Power's IRP either as needed or at least once every five years as required by SB350; and be it

FURTHER RESOLVED, That the requirement in Resolution 14-0147 requiring Hetch Hetchy Power to annually report to the Commission the status of its electric storage efforts is rescinded; and be it

FURTHER RESOLVED, That the IRP is only a planning document and does not commit the SFPUC to any particular course of action. If new projects or further discrete actions are pursued as a result of the IRP, the SFPUC will ensure the projects undergo the appropriate environmental review.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

DRAFT

San Francisco Public Utilities Commission
Hetch Hetchy Power

Integrated Resource Plan Filing

Approved by the SFPUC Commission - November 13, 2018

By Resolution _____

Submitted to the California Energy Commission on – _____

October 2018

PREPARED BY

JAMES HENDRY
RANDALL SMITH
DAN WILLIS

DRAFT

Table of Contents

1.0 Executive Summary 5

2.0 Hetch Hetchy Power's IRP Process and Results 7

2.1 Hetch Hetchy Power 7

2.2 Hetch Hetchy Power's IRP Process 7

2.3 Hetch Hetchy Power's IRP Results 8

3.0 Achievement of California's Energy Policy Goals 9

3.1 Achievement of California's GHG Reduction Goals 9

3.2 Achievement of Hetch Hetchy Power's RPS Compliance Obligations 10

3.3 Achievement of Hetch Hetchy Power's Energy Efficiency and Demand Response Targets 11

3.4 Review of Hetch Hetchy Power's Electric Storage Efforts 11

3.5 Review of Hetch Hetchy Power's Electric Transportation Efforts 12

3.6 Meeting Hetch Hetchy Power's System and Local Reliability Needs 12

3.6.1 System Resource Adequacy 13

3.6.2 Local Resource Adequacy 14

3.6.3 Flexible Resource Adequacy 14

3.7 Ability to Meet Peak Demand 14

3.8 Effect of the IRP on Retail Rates 15

3.9 Transmission and Distribution Systems 15

3.9.1 Bulk Transmission 15

3.9.2 Local Distribution 17

3.10 Effect of Hetch Hetchy Power on Localized Air Pollutants and Disadvantaged Communities 17

4.0 Hetch Hetchy Power Compliance with CEC Guidelines 19

4.1 Supply Assumptions 19

4.2 Demand Forecasts 19

4.3 Planning Horizon 20

4.4 Multiple Scenarios 21

4.5 Supporting Tables 21

Attachment A: 2017 INTEGRATED RESOURCE PLAN 23

Attachment B: CEC STANDARDIZED TABLES 25

Attachment C: HETCH HETCHY POWER ADOPTED RPS PROCUREMENT PLAN 27

DRAFT

1.0 Executive Summary

This is the Integrated Resource Plan or IRP (Attachment A) and accompanying "IRP Filing" (this document) of Hetch Hetchy Power, the local publicly-owned electric utility (POU) operated by the San Francisco Public Utilities Commission (SFPUC), which is a department of the City and County of San Francisco.[1] The SFPUC is governed by a five-member commission (Commission), which adopted the final Integrated Resource Plan (IRP) and this IRP Filing at its November 13, 2018 meeting.

SB 350[2] requires all of California's large publicly-owned utilities, including Hetch Hetchy Power[3], to: 1) prepare an IRP; 2) have their governing body approve the IRP before December 31, 2018; and 3) submit the approved IRP to the California Energy Commission (CEC) before April 30, 2019. CEC Guidelines implementing SB350 require each POU to submit an "IRP Filing" that includes the IRP as well as supporting documentation that shows how each POU meets California's environmental and policy goals and explains the methodologies used in developing the IRP.[4]

Hetch Hetchy Power worked with Black & Veatch Consultants to develop an IRP. The Commission reviewed the results at its July 25, 2017 meeting.[5] The IRP analyzed how best to meet future energy demands while ensuring reliable service. The IRP forecasted Hetch Hetchy hydroelectric operations out to 2041 under three scenarios and a variety of sensitivity analyses.

The IRP ultimately focused on two scenarios for detailed evaluation:

- **Scenario 1 – Maintain Current Generation:** This scenario makes all necessary investment to maintain the current level of generation from the SFPUC's Hetch Hetchy hydroelectric system through 2041 (hereinafter also called the **Baseline Scenario)**; and
- **Scenario 3 – Deferring Moccasin Powerhouse:** This scenario would defer significant investments to the Moccasin Powerhouse and other water conveyance projects throughout the study period (2017-2041) to better align Hetch Hetchy generation with expected retail sales.

A "Scenario 2", which would have delayed until years 11 to 25 of the IRP period some needed but currently unfunded Hetch Hetchy projects identified in the 10-year Capital Investment Plan (CIP) was not extensively analyzed after not being found cost-effective.

---

[1] The SFPUC also operates CleanPowerSF, San Francisco's Community Choice Aggregation (CCA) program, and provides water and waste-water services.
[2] Statutes 2015, Ch. 547.
[3] Under Public Utilities Code Section 9621(a), an IRP is required of all California's POUs with an annual load greater than 700,000 MWh/year (averaged over the last three years.) Hetch Hetchy Power's three-year average is about 970,000 MWh.
[4] CEC Publicly Owned Utility Integrated Resource Plan Submission and Review Guidelines (CEC-200-2018-004, October 2018), hereinafter referred to as "CEC Guidelines."
[5] CleanPowerSF, SFPUC's community choice aggregator (CCA), must file an IRP with the CPUC pursuant to SB350. The SFPUC Commission approved CleanPowerSF's IRP on July 24, 2018 by Resolution 18-0130. SFPUC submitted this IRP to CPUC on August 1, 2018.

The IRP concluded that it would be more cost-effective, over the 25-year planning horizon studied, for Hetch Hetchy Power to optimize its investments in the Hetch Hetchy system to better match retail sales, (Scenario 3) even taking into account significant efforts by Hetch Hetchy Power to increase the size of its retail load. The overall benefit, calculated on a net present value (NPV) basis, was $78 million.[6]

The IRP, however, did not choose a preferred scenario. The IRP noted that its scope did not fully address the impact of any of the scenarios on the SFPUC's Water operations, qualitative factors related to any non-Power Enterprise issues, or to the overall economics of the SFPUC as a whole. The IRP concluded its results should be used as inputs to the SFPUC's broader organizational needs taking into account the interaction between the SFPUC's water and power operations.

SB 350 also requires that the IRP identify how California's load-serving entities (LSEs)[7] plan to meet the state's environmental and policy goals, specifically California's efforts to reduce state-wide GHG emissions to forty percent (40%) below 1990 levels by 2030.

Hetch Hetchy Power can be proud of its continuing environmental leadership. The IRP shows that Hetch Hetchy Power plans to:

- Serve all of its customer needs with 100% GHG-free electric energy;
- Exceed the GHG-reduction goals set for Hetch Hetchy Power by the California Air Resources Board (CARB);
- Meet its compliance obligation under California's Renewable Portfolio Standards (RPS) program; and
- Provide reliable electric service to meet its customer needs.

Chapter 3 of this IRP Filing identifies how Hetch Hetchy Power is meeting each of the policy goals identified in the CEC Guidelines.

In addition, the CEC requires each POU's IRP Filing to explain the methodologies used in the IRP. This will allow CEC to consolidate the IRP Filings into statewide totals. Chapter 4 of this IRP Filing addresses Hetch Hetchy Power's compliance with these requirements.

The IRP approved by the Commission on November 13, 2018 is identical to the IRP reviewed by the Commission in July 2017. This IRP Filing also addresses new issues identified in the CEC Guidelines that the IRP did not address, and notes several areas where the initial forecasts of sales used in the IRP have been revised. SB350 requires that Hetch Hetchy Power adopt a process for updating its IRP at least once every five years. Hetch Hetchy Power will adopt an IRP at least once every five years, commit necessary resources to update the IRP, and have the Commission adopt the updated IRP. Hetch Hetchy Power staff regularly reviews load and generation forecasts, cost inputs, and other information that is key to the IRP as part of its ongoing utility business. Where there are

---

[6] Scenario 1 had a cost (on a NPV basis) of $1,069 million, compared to Scenario 3's cost (also on a NPV basis) of $991 million.

[7] A LSE is an entity that provides electric energy to retail customers.

significant changes to key assumptions, Hetch Hetchy Power will evaluate whether an earlier IRP update is required.

Finally, the IRP is only a plan at this stage. As Hetch Hetchy Power moves from the planning stage to approving projects, Hetch Hetchy Power will ensure the projects undergo the appropriate environmental review.

2.0 Hetch Hetchy Power's IRP Process and Results

2.1 Hetch Hetchy Power

Hetch Hetchy Power's customer base for electric energy primarily consists of city government agencies and tenants on city property (including the Port of San Francisco and San Francisco International Airport). Hetch Hetchy Power also serves some retail customers including those at the Treasure Island and Hunters Point redevelopment projects.

Hetch Hetchy Power receives its energy from three powerhouses located along the Hetch Hetchy system (Holm, Kirkwood, and Moccasin) with a combined capacity of 381 MW, 4 MW of small-scale hydroelectric generation at Moccasin Low-head, along with 8 MW of in-city solar, and 2 MW from a biomass facility located at the SFPUC's Southeast Wastewater Treatment Plant. Hetch Hetchy Power's annual generation from these sources is forecasted to be 1,585,000 MWh/year assuming average hydrologic conditions[8] while Hetch Hetchy Power's retail sales in 2017 were 965,302 MWh. Surplus Hetch Hetchy Power generation is sold to the Modesto and Turlock Irrigation Districts (MID and TID), the California Independent System Operator's (CAISO) wholesale energy markets, CleanPowerSF, and others.

2.2 Hetch Hetchy Power's IRP Process

Integrated Resource Planning is a formal process undertaken by a utility to determine future resource requirements necessary for meeting forecasted annual peak and energy demand, with an adequate reserve to provide for system reliability and integrity. IRP's are also used to assess the ability of a utility to meet its environmental and policy goals.

In 2016, the SFPUC began developing its IRP for its Hetch Hetchy Power operations. Six working groups, comprised of SFPUC staff and Black & Veatch consultants, developed inputs and parameters for the IRP process in the areas of Cost Allocation, Generation, Transmission, Market Pricing, Load, and Policy. The results from these working groups were incorporated into Black & Veatch's production cost model, PLEXOS, which then modeled Hetch Hetchy Power's electric system to determine the optimal mix of resources needed to meet Hetch Hetchy Power's demands under a variety of conditions. Validation of the methodology and execution of the model runs was accomplished through comparison of results with internal peer groups, manual spot checks, and discussions with SFPUC staff to verify the results. Modifications of modeling approaches and scenarios were performed as appropriate to ensure that the models adequately reflect the current state of SFPUC system operations and likely future operations scenarios.

---

[8] As modeled in the IRP, Hetch Hetchy average generation is 1,575,000 MWh/year. Local solar and biomass projects provide approximately an additional 10,000 MWh.

The result of this process was Hetch Hetchy Power's 2017 IRP presented to the Commission for its review, on July 25, 2017. (Attachment A). Since this presentation, staff supplemented the IRP to address issues identified in the CEC Guidelines that were not addressed in the IRP. In addition, staff identified where some of the forecasts used in the IRP should be revised based on updated information.[9]

2.3 Hetch Hetchy Power's IRP Results

The IRP examined three different scenarios for operations of SFPUC's three hydroelectric facilities.

- **Scenario 1 – Maintain Current Generation** from the SFPUC's Hetch Hetchy hydroelectric system by making all necessary investment to maintain the current level of generation through 2041 (hereinafter also called the **Baseline Scenario)**;
- **Scenario 2 – Delay Some Projects** by limiting investments in the Hetch Hetchy hydroelectric system only to projects already funded in the SFPUC's 10-year Capital Investment Plan (CIP), with unfunded needs delayed until Years 11 to 25 of the analysis.
- **Scenario 3 – Deferring Moccasin Powerhouse** and water conveyance projects throughout the study period to better align Hetch Hetchy generation with expected retail sales.

The IRP ultimately focused on Scenarios 1 and 3 after preliminary analysis concluded that Scenario 2 was uneconomical compared to Scenarios 1 and 3. The scenarios reflect current SFPUC water-first operations regarding the scheduling of Hetch Hetchy generation.[10]

The IRP concluded that it would be more cost-effective, over the 25-year planning horizon considered in the IRP, for Hetch Hetchy Power to optimize its investments in the Hetch Hetchy Power system to better match retail sales, even after accounting for significant efforts by Hetch Hetchy Power to increase the size of its retail load. The overall benefit, calculated on a net present value (NPV) basis, was $78 million.[11] The largest difference between the cases comes from Hetch Hetchy capital costs (costs required for continued powerhouse operations) and the amount of market sales/purchases.

In addition to the three scenarios, sensitivity analyses were performed to determine the impact of the following:

- **Addition of Renewable Resources:** 50 MW of renewable energy were added to the Hetch Hetchy Power system as part of deferring investment in the Moccasin Powerhouse;
- **Meteorological Uncertainty**: Wet and dry hydro years (using the year 2025 as a study point) were evaluated;

---

[9] This includes Sections 3.5 (Electric Transportation), 3.7 (Ability to Meet Peak Demand), 3.9.2 (Local Distribution), and 3.10 (Effect on Disadvantaged Communities). The IRP filing also notes, but does not change within the IRP, that subsequent forecasts of retail sales have been revised, and that potential increases in retail sales for electric transportation were not included in the IRP. These revisions will be addressed in updates to the IRP as needed.

[10] IRP Plan, p. 5-3.

[11] Scenario 1 had a cost (on a NPV basis) of $1,069 million, compared to Scenario 3's cost (also on a NPV basis) of $991 million.

- **Market Price Uncertainty**: Primarily changes in wholesale energy prices; and
- **Increased Load Growth:** An additional 300 MW of load growth by 2040.

The IRP, however, did not choose a preferred scenario. As the IRP stated, the most critical input to the IRP's modeling results were the assumptions used for the capital and operating costs for each of the hydroelectric generation units. The IRP also noted that its scope did not fully address the impact of any of the scenarios on Water operations, qualitative factors related to any non-Power Enterprise issues, or to the overall economics of the SFPUC as a whole. The IRP concluded that Hetch Hetchy Power's IRP results should be considered and used as inputs to the SFPUC's broader organizational needs taking into account the interaction between the SFPUC's water and power operations.

3.0 Achievement of California's Energy Policy Goals

A major purpose of SB350's IRP planning requirements is to identify how California's LSEs, including POUs are meeting California's various energy goals and requirements. Hetch Hetchy Power's compliance with each of the policy requirements identified in SB350, and the accompanying CEC Guidelines are described below.

3.1 Achievement of California's GHG Reduction Goals[12]

Hetch Hetchy Power will continue to provide 100% zero-GHG renewable energy to its customers throughout the 2030 planning period under both Scenarios 1 and 3.

A fundamental purpose of SB350's IRP planning requirement is to ensure that each LSE meets the GHG reduction targets established by CARB. In order to achieve California's GHG reduction goals set by California's Global Warming Solutions Act of 2006 CARB must identify measures to reduce California's overall GHG emissions 40% from 1990 levels by 2030.[13] In its 2017 Scoping Plan Update, CARB identified GHG reduction targets for each sector of the economy as well as suggested measures to achieve these reductions.

For California's electric sector, the CPUC recommended a GHG target of 42 million metric tons (MMT) by 2030. CARB adopted a target range of 30 to 53 MMT, a 51% to 72% reduction from 1990 GHG emission levels for the electric sector of 108 MMT.[14] 0, CARB assigned an individual target to each LSE. Hetch Hetchy Power's share of this GHG target for 2030 is 12,000 to 22,000 tons, which is a mid-point of 0.041% of the statewide total.

---

[12] Public Utilities Code Section 9621 (b)(1) and CEC Guidelines, Chapter 3, Section H, p.13.
[13] AB32 set a goal for California to reduce GHG emissions to 20% below 1990 levels by 2020 and established a process for CARB to develop regulations and identify other programs to achieve this goal. SB32 builds off of this process and sets a new goal of a 40% reduction from 1990 levels by 2030.
[14] CARB "Staff Report: Senate Bill 350 Integrated Resource Planning Electricity Sector Greenhouse Gas Planning Targets", July 2018, p. 23 approved by CARB at its July 26, 2018 Board meeting.

HETCH HETCHY POWER 'S FORECASTED 2030 GHG EMISSIONS COMPARED TO CARB'S ADOPTED 2030 TARGETS[15]

	METRIC TONS (MT)/Year
IRP Forecast	0
CARB 2030 GHG Target (low-end of range)	12,000
CARB 2030 GHG Target (high-end of range)	22,000

Hetch Hetchy Power plans to retain its zero-GHG emissions profile from now through 2030. The IRP concluded environmental performance under either the Baseline Scenario 1, or the alternative Scenario 3 is similar, because no fossil-fueled GHG-emitting resources are used in either scenario.[16]

3.2 Achievement of Hetch Hetchy Power's RPS Compliance Obligations[17]

Hetch Hetchy Power will continue to meet its RPS compliance obligations by providing 100% of its retail electricity demands from its Hetch Hetchy hydroelectric generation and RPS-eligible energy products.

Under the requirements of Public Utilities Code Section 399.30(j), Hetch Hetchy Power must meet 100 percent of its retail sales with either qualifying Hetch Hetchy hydroelectric generation[18] or RPS eligible resources provided it meets more than 67% of its electricity demands from its qualifying Hetch Hetchy generation.[19] For market power purchases, the SFPUC may use renewable energy credits (RECs) to meet its compliance obligation if needed. Generation from the Kirkwood Powerhouse can be counted as either qualifying Hetch Hetchy generation or RPS-eligible generation. Therefore, surplus Kirkwood generation is a PCC1 (bundled)[20] REC that can be carried forward for use in future years for Hetch Hetchy Power's RPS compliance.[21] Surplus RECs from the

---

[15] CEC Guidelines, Appendix E, p. E-1 reproducing CARB's adopted targets developed from their staff paper "Senate Bill 350 Integrated Resource Planning Electricity Sector Greenhouse Gas Planning Targets."

[16] Even under Scenario 3, where investments in the Moccasin Powerhouse are deferred, remaining Hetch Hetchy generation is sufficient through 2030. The IRP Plan also proposed procuring renewable resources for any future resource needs, such as under the high-load growth sensitivity scenario.

[17] Public Utilities Code Section 9621(b) and CEC Guidelines, Ch.2, Section F, 2, pp. 6-8.

[18] "Qualifying hydroelectric generation" includes all of the generation from the Holm, Kirkwood, and Moccasin Powerhouses other than the Moccasin low-head (LH) generating unit which is RPS-eligible under Public Resources Code 25741.

[19] The calculation of Hetch Hetchy Power meeting more than 67% of its electric demand from its qualifying hydroelectric generation is determined at the start of each multi-year compliance period set by the CEC based on the average of the previous twenty years of Hetch Hetchy qualifying hydro generation, Once eligibility is established, it remains in effect until the start of the subsequent compliance period when Hetch Hetchy Power must re-qualify.

[20] Portfolio Content Category 1 (PCC 1) is renewable energy that is procured at the same time as the REC (hence bundled) from an in-state California resource or resource that can directly deliver the renewable energy to California.

[21] The SFPUC can also sell up to 100,000 RECs from its Kirkwood Powerhouse generation to others over the life of the asset.

SFPUC's other RPS-eligible solar and biomass resources may also be carried over for future use or sold to others.

Given the above resources and requirements, Hetch Hetchy Power will continue to meet its RPS compliance obligations while continuing to provide 100% GHG-free power. The IRP forecasted that Hetch Hetchy Power's need for RECs is minimal between now and 2030.[22]

3.3 Achievement of Hetch Hetchy Power's Energy Efficiency and Demand Response Targets[23]

Hetch Hetchy Power has an annual budget of approximately $3.5 million for the development of distributed energy resources (DER) projects at locations throughout San Francisco including implementation of energy efficiency programs and rooftop solar.[24] Since the inception of these programs, they have resulted in energy efficiency savings of over 50,000 MWh of electricity (about 5% of current demand) and 2 million therms of natural gas use each year. 3.2 MW of roof-top solar has also been installed.[25]

Both scenarios of the IRP accounted for these energy efficiency and renewable energy programs and reflected them in the net load growth assumptions of 0.5% per year.[26] This estimate is consistent with estimates of achievable energy efficiency developed in Hetch Hetchy Power's report to the CEC required under Public Utilities Code Section 9505(b).[27]

Hetch Hetchy Power currently has no demand response programs.[28]

3.4 Review of Hetch Hetchy Power's Electric Storage Efforts[29]

AB2514, California's energy storage law required California's LSEs to evaluate the potential to procure viable and cost-effective energy storage systems.[30] AB2514 required the governing boards of a local POU to set appropriate procurement targets for electric storage, if any, by October 1, 2014 and provide an update by October 1, 2017. Hetch Hetchy Power examined the viability and cost-effectiveness of electric storage in 2014 and 2017.[31] Both reports determined that electric storage was not cost-effective for the SFPUC, primarily because the Hetch Hetchy Power system provides

---

[22] The IRP did not model the ability of Hetch Hetchy Power to carry-forward surplus RECs generated in one-year for use in future years (subject to some restrictions) which could eliminate the need for Hetch Hetchy Power to purchase any RECs over the IRP planning horizon.

[23] Public Utilities Code Section 9621(b)(1) and CEC Guidelines, Ch.2, Section F. 3, pp. 8-9.

[24] IRP, p. 3-5.

[25] IRP, p. 3-5.

[26] IRP, p. 4-18.

[27] This section requires Hetch Hetchy Power to annually report to the CEC its energy efficiency activities by March 15th of each year. Hetch Hetchy Power coordinates its filing with the California Municipal Utilities Association (CMUA) which files a single report (Energy Efficiency in California's Public Power Sector, 11th Edition 2017) to the CEC covering all of California's POUs.

[28] CEC Guidelines, Ch.2, Section F, 3.c., p. 9.

[29] Public Utilities Code Section 9621(b)(3) and CEC Guidelines, Ch. 2, Section F.4., p. 9.

[30] Public Utilities Code Section 2835 *et seq.*

[31] As required by AB2514, in 2014 the SFPUC sent an initial energy storage report to the CEC, "Analysis and Recommendations Regarding Energy Storage Procurement Policy" which was approved by Commission Resolution 14-0147. On September 23, 2017 the SFPUC sent to the CEC its "Update on Power Enterprise's Electric Storage Activities as Required by Resolution 14-0147."

many of the same benefits of storage such as load-shifting, ancillary services, and flexible ramping.[32] The IRP reconfirmed this conclusion.[33]

However, the SFPUC continues to explore the use of storage and is developing small-scale energy storage demonstration projects in San Francisco for local system resiliency efforts.

3.5 Review of Hetch Hetchy Power's Electric Transportation Efforts[34]

As the CEC Guidelines states: "Transportation electrification is an important strategy for meeting the state's long-term GHG emission reduction goals" because transportation represents about 40% of California GHG emissions.[35]

Hetch Hetchy Power provides 100% renewable and GHG-free electric energy to San Francisco's Municipal Transportation Agency (SFMTA), commonly known as Muni. Muni operates the nation's largest fleet of electric public transit including approximately 300 electric trolley buses, 200 light-rail vehicles (LRVs) and 40 cable cars. Muni's electric transportation related energy usage is approximately 80,000 MWh/year.[36] Subsequent to the completion of the IRP in 2017, in April 2018 SFMTA committed to electrifying the remainder of its bus vehicle fleet (approximately 500 buses) by 2035.[37] A future IRP update will address the impact of this commitment on Hetch Hetchy Power energy demands

Hetch Hetchy Power also provides electric energy for several other uses CARB classified as transportation, including on-shore power for some ships docked at the Port of San Francisco that would otherwise be powered by the ship's diesel generators.[38] In addition, Hetch Hetchy Power serves Electric Vehicle (EV) charging stations located at City-owned parking facilities and municipal buildings that use approximately 600 MWh/year.[39]

As part of a high Distributed Energy Resource (DER) sensitivity scenario modeled in the IRP, the addition of 1,200 City electric fleet vehicles would add 8,000 MWh/year of additional electric usage. This would be an increase in retail sales of less than 1% and could be met by existing Hetch Hetchy Power resources without the need for any incremental procurement to meet this need.[40]

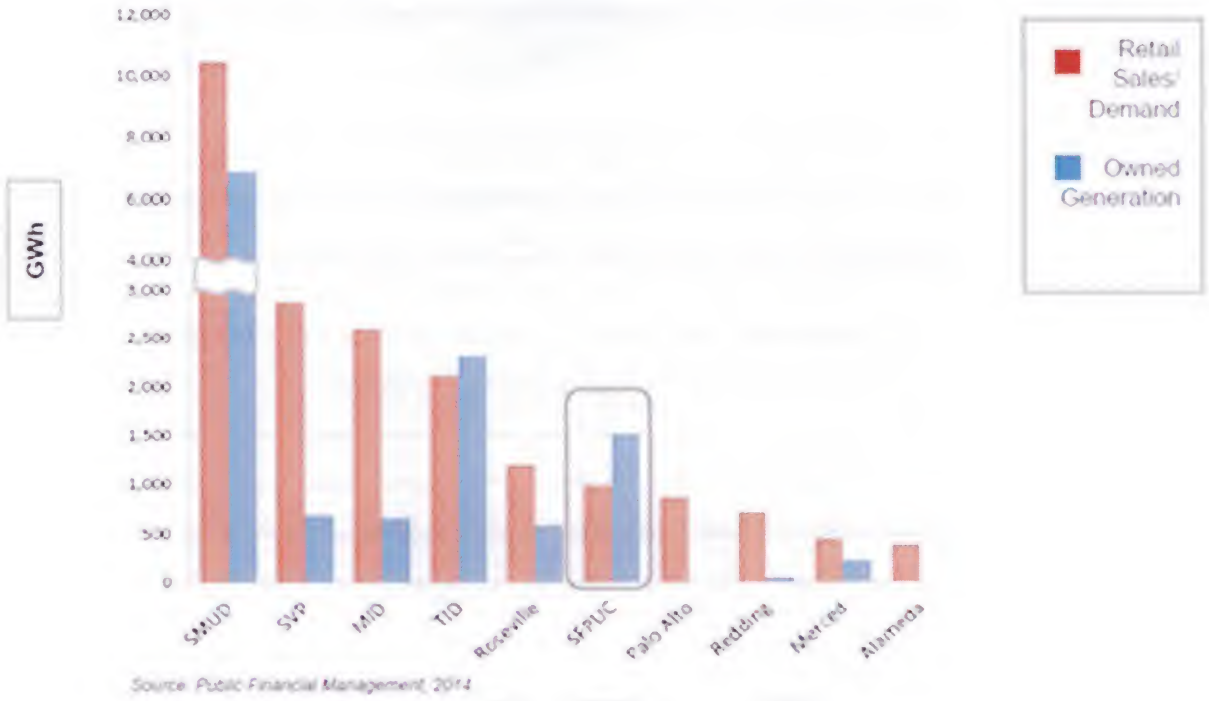
3.6 Meeting Hetch Hetchy Power's System and Local Reliability Needs[41]

Hetch Hetchy Power possesses significantly more generation than it has demand. Currently, it has 380 megawatts (MW) of generation capacity for a system with a peak load of roughly 150 MW. This leads to a greater surplus generation relative to other California municipal utilities; Hetch Hetchy Power sells most of the excess generation during the spring hydro runoff period.

---

[32] IRP, p. 4-19.
[33] IRP, p. 4-18.
[34] Public Utilities Code Section 9621(b)(3) and CEC Guidelines, Ch. 2, Section F.5., p. 9-10.
[35] CEC Guidelines, pp. 9-10.
[36] Hetch Hetchy Power is exploring the use of a green tariff offering for transportation-related energy usage.
[37] This corresponds to a recent proposal by CARB to electrify all of California's public transit bus fleets by 2035.
[38] CARB Low Carbon Fuel Standards (LCFS).
[39] Hetch Hetchy Power also has two residential customers on its EV charging rate (REV-1).
[40] IRP, p 4-18.
[41] Public Utilities Code Sections 9621(b)(3) and 454(a)(1)(e); CEC Guidelines. Ch. 2, Section I, p. 13.

HETCH HETCHY POWER 'S FORECASTED GENERATION COMPARED TO OTHER POUs



Resource adequacy (RA) plays an important role in the California market in terms of maintaining system reliability. The RA program is designed to meet reliability requirements by requiring load-serving entities (LSEs), including POUs, to procure significant capacity to meet the following three requirements.

3.6.1 System Resource Adequacy

Overall, Hetch Hetchy Power must meet a system level RA requirement of 15 percent above its expected peak demand.[42] The system RA requirement ensures that the California electric system has sufficient capacity to meet peak demand.

System RA capacity can be located anywhere on the electric system as long as it can meet deliverability requirements to serve the monthly peak load. Hetch Hetchy Power has significant excess capacity (307 MW)[43] relative to its 2017 RA obligation of 166 MW (144 MW peak demand + 15% reserve margin). This excess capacity would accommodate a significant increase in Hetch Hetchy Power demand over the 2017-2030 IRP planning horizon.

---

[42] Peak demand is calculated based on an average peak demand, also known as a 1-in-2 peak or 50/50 load forecast, meaning that there is a 50% chance forecasted peak demand would be higher, and a 50% chance that peak demand would be lower than the adopted figure.

[43] This figure is lower than the total 380 MW capacity of the Hetch Hetchy hydroelectric system because it is based on the amount of dependable capacity, (Net Qualifying Capacity or NQC) by the CAISO. This figure drops to 277 MW from 2028 through 2030 when the Kirkwood Powerhouse Unit #3 is removed from service for refurbishment.

3.6.2 Local Resource Adequacy

The RA program also has a local RA requirement that requires a certain amount of capacity be located within a transmission constrained zone such as the San Francisco Greater Bay Area.[44] The local RA requirement also factors in operating contingencies such as the loss of generation or transmission lines that would impact the local area.

CAISO assigns Hetch Hetchy Power's local RA requirements based on Hetch Hetchy Power's proportionate share of the Local RA needs of the Greater Bay Area. The local RA requirements are currently 68 MW, which is expected to grow proportionately with growth in Hetch Hetchy Power's retail sales to 83 MW by 2030.

HETCH HETCHY POWER FORECASTED LOCAL CAPACITY REQUIREMENT

(in MW)

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
68	69	70	71	72	73	75	76	77	79	80	81	82	83

Hetch Hetchy Power does not have any resources that meet this Local RA requirement. Hetch Hetchy Power will purchase these resources from third-parties as necessary to meet its Local RA requirement.

3.6.3 Flexible Resource Adequacy

As California adds more wind and solar resources to the electric grid to meet California's RPS, additional flexible capacity may be needed to meet fluctuations in wind and solar generation and maintain the reliability of the grid. This obligation, called the Flexibility Resource Adequacy Capacity (FRAC) formula[45] requires Hetch Hetchy Power to have a sufficient amount of flexible capacity to meet this obligation. The IRP concluded that Hetch Hetchy Power did not need to procure additional reserves to meet this requirement, considering its existing generation portfolio and the local RA that Hetch Hetchy Power will already be procuring.

3.7 Ability to Meet Peak Demand[46]

Subsequent to the completion of the IRP in 2017, California enacted Senate Bill (SB)338[47] which requires an LSE "to consider how existing renewable generation, grid operational efficiencies,

---

[44] Capacity requirements in the local capacity zones are higher because planning requirements are based on a 1-in-10 peak load rather than on a 1-in-2 peak load.

[45] FRAC is calculated on a monthly basis using the maximum change in the 1-minute net load data over a 3-hour period plus 3.5 percent of the peak load for the CAISO system. LSEs are then allocated a share of the total FRAC requirement based upon their contribution from load and renewables.

[46] Public Utilities Code Section 9621(c) and CEC Guidelines, Ch. 2, Section G.3., pp.11-12.

[47] *Stats. 2017, Ch. 389, Sec. 1.5.* (SB 338) Effective January 1, 2018.

energy storage, and distributed generation resources, including energy efficiency, will meet energy and reliability needs during the hours of net-peak demand."[48]

The purpose of this study is to help LSEs identify how to minimize their use of fossil-fueled energy resources during times of peak demand. While California's RPS requirements mandate that an increasing portion of California's energy needs come from renewable resources, this requirement does not necessarily ensure that new renewable resources coming on line are matching the load profile of California's electric grid,[49] particularly given the variability of such renewable resources as wind and solar.

This is not a problem for Hetch Hetchy Power whose resource mix contains a minimal amount of variable renewable energy resources. Solar represents less than 1% of generation. Additionally, the remaining 99% of Hetch Hetchy Power generation is already zero-GHG renewable hydroelectric energy.

3.8 Effect of the IRP on Retail Rates [50]

The CEC Guidelines recognize that it is the statutory authority of the POU governing board to set rates. The CEC Guidelines require Hetch Hetchy Power to include in its IRP Filing any "report or study on rate impacts under the IRP scenario, if that report or study was considered as part of its IRP planning process."[51] Hetch Hetchy Power's IRP did not consider such a study or report in its IRP process.

3.9 Transmission and Distribution Systems[52]

3.9.1 Bulk Transmission

Electricity generated by the Hetch Hetchy system is transmitted through SFPUC-owned and operated transmission lines, consisting of approximately 110 miles of 115 kilovolt (kV) and 50 miles of 230 kV transmission lines and four substations.

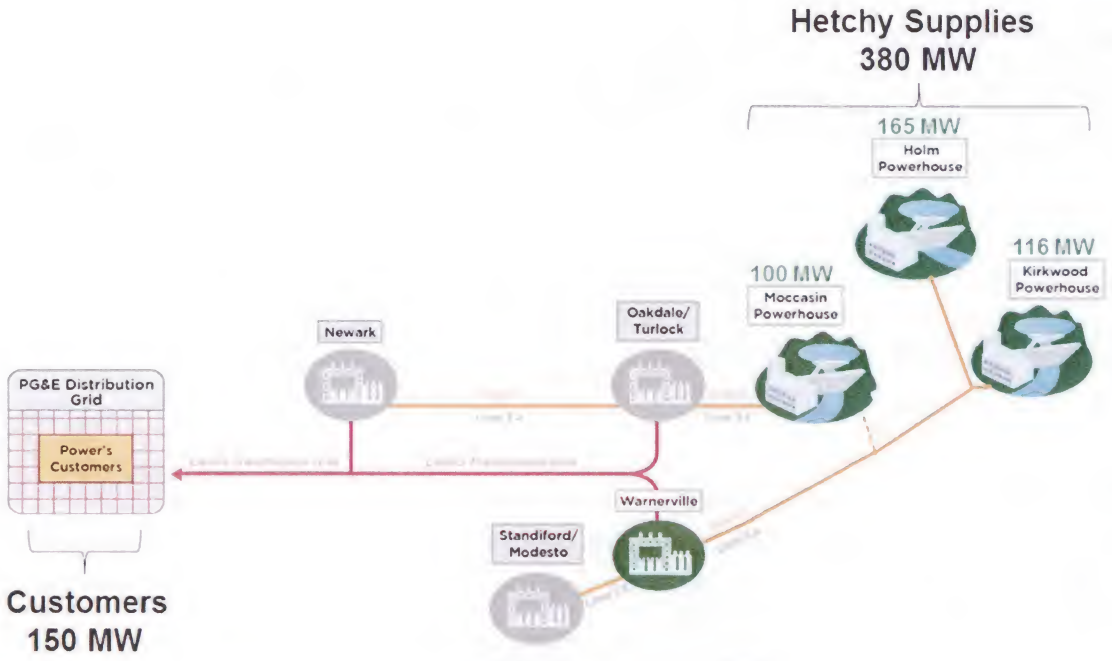
Approximately 75 percent of Hetch Hetchy 's generating capacity is connected to its 230 kV system via the Intake switchyard and Warnerville Substation. The remaining 25 percent of the generating capacity is normally connected to another 115 kV subsystem at the Moccasin Switchyard, which interconnects with PG&E's Newark Substation via two 115 kV lines. An overview of Hetch Hetchy Power's transmission topology is shown below:

---

[48] Net peak demand is defined as total demand minus the portion of demand met by variable renewable energy resources which in Hetch Hetchy Power's case is generation from its solar energy resources.

[50] Public Utilities Code Sections 9621(b)(3) and 454(a)(1)(C) & (D); CEC Guidelines. Ch. 2, Section I, p. 13.
[51] CEC Guidelines, p. 13.
[52] Public Utilities Code Sections 9621(b)(3) and 454(a)(1)(F); CEC Guidelines Ch. 2, Section G.3., p.13.

HETCH HETCHY TRANSMISSION SYSTEM



Black & Veatch modeled Hetch Hetchy Power's transmission system as part of the IRP planning process. The IRP concluded that Hetch Hetchy Power's transmission system faces minimal transmission congestion/constraints to serve Hetch Hetchy Power load because of the high load carrying capacity of Hetch Hetchy Power's transmission lines.

Hetch Hetchy Power's transmission facilities connect into the CAISO operated transmission system and PG&E's distribution system to deliver power to most Hetch Hetchy Power customers located in San Francisco and the Peninsula. San Francisco has worked closely with PG&E and CAISO to improve the resiliency of this transmission system. San Francisco advocated for extensive upgrades to the transmission system serving San Francisco, including the TransBay Cable project that allowed for the retirement of the in-city Hunters Point and Potrero power plants.[53] In addition, SFPUC actively participates in CAISO studies such as the CAISO Extreme Events Study that identified further upgrades to San Francisco's transmission system to ensure that reliable service can be maintained even under extreme events such as earthquakes. These upgrades included a third 230 kV line connecting into PG&E's Embarcadero Substation to further improve reliability to the Downtown area (already completed) and a new Egbert Substation (currently under CPUC review)[54] to improve the reliability of PG&E's transmission lines running up the Peninsula to serve San Francisco.

[53] SFPUC 2011 Electricity Resource Plan Update, adopted by the Board of Supervisors in Resolution 349-11, p. 22.

[54] Egbert Switching Station Project Certificate of Public Convenience and Necessity (A.17-12-021).

3.9.2 Local Distribution

PG&E's distribution system serves almost all of Hetch Hetchy Power's current electric demand under a FERC-regulated Wholesale Distribution Tariff (WDT). The SFPUC participates in proceedings before the CPUC and FERC affecting PG&E's rates and services to help ensure that not only Hetch Hetchy Power customers but also all of San Francisco's residences and businesses receive reliable and reasonably priced service.[55]

Hetch Hetchy Power operates local distribution facilities that serve the Hunters Point and Treasure Island redevelopment projects.

As these projects are built out, Hetch Hetchy Power will provide and manage the necessary utility infrastructure. Hetch Hetchy Power is also in the process of developing its Bay Corridor Transmission and Distribution (BCTD) Project that would install a back-bone distribution system along the Eastern portion of San Francisco allowing for Hetch Hetchy Power to directly serve customers rather than relying on PG&E's distribution system.

3.10 Effect of Hetch Hetchy Power on Localized Air Pollutants and Disadvantaged Communities[56]

Hetch Hetchy Power's generation from its Hetch Hetchy powerhouses is GHG-free and creates no localized air pollution. In most years Hetch Hetchy Power sells a significant portion of this GHG-free energy to others. which helps reduce GHG- emissions and other pollutants that would otherwise be generated from fossil-fueled power plants.[57] Hetch Hetchy Power has estimated that since the creation of the Power Content Label in 1998, Hetch Hetchy Power has provided over 3 million MWh of zero-GHG energy to California's wholesale energy market.

The City and County of San Francisco successfully collaborated with state energy planning agencies such as the CAISO to close down San Francisco's two large in-city pollution-emitting power plants located in in the Hunters Point and Potrero areas of San Francisco. With the closure of these plants in 2006 and 2011 there are no large-scale fossil-fueled power plants located within San Francisco, and substantial clean-up and redevelopment of these areas is underway or being planned.

The SFPUC has identified twelve census districts within San Francisco that are classified as disadvantaged communities with a CalEnviroScreen score with a 76th to 100th percentile ranking, or lacking an overall score but with a pollution burden score in the top 5%. Seven of these are in the Hunters Point area of San Francisco, four are around the Moscone Center/South of Market Street (SoMa)/Civic Center area and the twelfth is located on Treasure Island. Hetch Hetchy Power is the electric utility for both the Hunters Point and Treasure Island redevelopment projects and delivers GHG-free electricity to those customers.

---

[55] SFPUC 2011 Electricity Resource Plan Update, adopted by the Board of Supervisors in Resolution 349-11, p. 80.

[56] Public Utilities Code Sections 9621(b)(3) and 454.52(1)(H) and CEC Guidelines, Ch. 2, Section K, pp. 14-16. AB1110 recognizes the GHG-reducing effect of Hetch Hetchy Power sales of surplus zero-GHG hydroelectric generation to the California electric grid and credits these reductions to Hetch Hetchy Power as part of its GHG-reporting obligation under AB1110.

Hetch Hetchy Power owns the Southeast Cogeneration Plant (2.0 MW) located in the Bayview/Hunters Point area of San Francisco. This plant takes methane generated as a by-product of the SFPUC's processing of sewage waste and uses it as a fuel to generate electric power. Although this results in the emission of carbon dioxide (CO2), a GHG, it prevents the release of methane into the environment. Methane has approximately 30 times the effect on GHG emissions as CO2. This results in a significant net reduction in overall GHG emissions.[58]

In combusting methane and converting it to electric energy, the Southeast Cogeneration Plant does create localized (non-GHG) emissions, primarily Nitrogen Oxide (NOx).

The SFPUC as part of a $938 million rebuilding of the Southeast Wastewater Treatment Plant,[59] will replace this cogeneration plant with a larger 5.2 MW plant forecast to come on-line in 2023.[60] This plant will meet the Best Available Control Technology (BACT) requirements set by the Bay Area Air Quality Management District (BAAQMD). The Environmental Impact Report prepared for the total project (including the cogeneration plant) concluded that the project would not exceed any of the significance thresholds for criteria air pollutants and its overall effect would be less than significant.[61] An Environmental Justice Analysis for the project evaluated 33 indicators of environmental justice and developed a community benefits package to address these indicators.[62]

Hetch Hetchy Power seeks to meet and exceed the goals set by the SFPUC's Environmental Justice policy. [63] Among its programs, Hetch Hetchy Power offers a low-income ratepayer assistance program that provides a 30% discount from the applicable residential rate.[64] 12% of Hetch Hetchy Power's residential customers (73 out of 609)utilize this rate schedule.

Hetch Hetchy Power offers a program called GoSolarSF which provides incentives for Hetch Hetchy Power customers (as well as CleanPowerSF customers) to install roof-top solar.[65] GoSolarSF offers a base incentive of $300/kW of installed solar capacity (up to 4.0 kW) but provides additional incentives for customers located in environmental justice communities[66] ($100/kW), low-income customers ($2,000/kW) and customers utilizing approved installers ($250/kW) who commit to

---

[58] The CEC classifies these types of plants as having zero-GHG emissions under the CEC's GHG Emissions Performance Standards (SB1368) requirements.
[59] Resolution 18-0042.
[60] Although this new plant will come on-line in 2023, there will be a testing and phase-in period that could extend to 2025 where both the existing and new plants will be available. However, the total amount of fuel (methane) to power the plants does not change.
[61] Biosolids Digester Facilities Project, Draft EIR, May 2017, p. 4.8.54.
[62] Environmental Justice Analysis for Bayview Hunters Point: Biosolids Digester Facilities Project and Community Benefits Program.
[63] In Resolution 09-0170, adopted October 13, 2009, the SFPUC "affirms and commits to the goals of environmental justice to prevent, mitigate, and lessen disproportionate environmental impacts of its activities on communities in all SFPUC service areas and to insure that public benefits are shared across all communities."
[64] Hetch Hetchy Power Rate Schedule R-2.
[65] GoSolar SF incentives initially were available to all San Francisco residents and businesses, even those served by PG&E, in addition to Hetch Hetchy Power customers.
[66] "Environmental Justice or CalHome Loan' Supplemental Incentives are available to all applicants located in San Francisco's environmental justice zip codes (94124 or 94107), including Low-Income SASH, and to property owners enrolled in the CalHome loan program under the California Department of Housing and Community Development." GoSolarSF Program Handbook FY18-19, p. 10.

utilize local labor where possible. Differing incentive levels are available for SASH[67] units. The program also offers virtual net metering for multi-unit buildings.[68]

Since the start of the program in FY2008-09 GoSolarSF has provided $10.67 million in incentives to 1,041low-income solar installations to install 1.9 Mw of rooftop solar. An additional $0.73 million of incentives have been provided to 157 low-income SASH applications to install 0.36 Mw of rooftop solar. [69]

4.0 Hetch Hetchy Power Compliance with CEC Guidelines

The CEC Guidelines require each LSE's IRP Filing to explain the methodologies used in the IRP's preparation. The following sections address how Hetch Hetchy Power's IRP meets these CEC Guidelines.

4.1 Supply Assumptions

The IRP assumes the continued operation of all units of the Hetch Hetchy generation through 2030, other than Kirkwood Powerhouse Unit #3 which is taken off-line for refurbishment/rebuilding starting in 2028. As these units constitute 99% of Hetch Hetchy Power's annual generation, Hetch Hetchy Power's other solar and biomass generation were not directly modeled in the IRP but are included in the Supporting Tables.

4.2 Demand Forecasts[70]

The IRP Filing must describe the demand forecasting methodology and assumptions used. The CEC recommends using the *California Energy Demand Forecast* developed annually as part of its Integrated Energy Policy Report (IEPR).[71]

Hetch Hetchy Power developed a demand forecast for use in its IRP consisting of two different components:

- Hetch Hetchy Power 's existing customer base; and
- New customer opportunities such as the build-out of the Hunters Point and Treasure Island communities and increasing sales of GHG-free energy to other retail customers.

For Hetch Hetchy Power's existing customer base, the IRP forecast minimal retail sales load growth of a half of one percent (0.5%) per year based on historical patterns. [72] Forecasts prepared

---

[67] The Single-family Affordable Solar Homes (SASH) program is part of the California Solar Initiative (CSI) that provides solar incentives on qualifying affordable single-family housing. The incentives are provided by ratepayer dollars collected by California's investor-owned utilities (such as PG&E). The GoSolarSF incentive is adjusted to reflect the SASH incentives a GoSolarSF participant receives.

[68] Full details on program eligibility are available from the GoSolarSF Program Handbook FY18-19. https://sfwater.org/modules/showdocument.aspx?documentid=7461

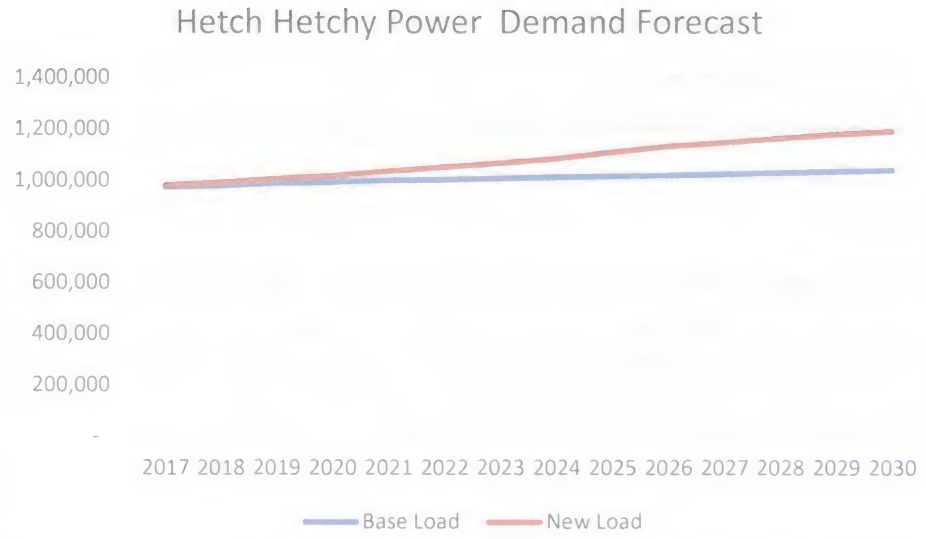
[69] All figures are as of October 1, 2018.

[70] CEC Guidelines, Ch. 2, Section E, p. 5.

[71] The CEC prepares this report every two years, updated annually, and seeks to provide a comprehensive overview of California's energy needs, trends, and policy issues.

subsequent to the IRP, predict zero to minimal load growth. The range of both forecasts is consistent with the CEC's own forecasts that estimate retail sales growth from 0% to 0.8% per year.[73]

The second component of Hetch Hetchy Power's load forecast represents Hetch Hetchy Power's intention to increase its revenues by expanding its retail sales beyond its existing customer base, thus allowing it to sell more of its excess energy supplies to retail, rather than wholesale customers. This component was not reflected in the CEC's demand forecast.



The ability of Hetch Hetchy Power to identify and acquire these new retail customers will change in future years because it is contingent upon such factors as the build-out of new developments, and identifying new customer opportunities.

The above chart shows forecasted sales for Hetch Hetchy Power's existing customer base (the lower line). The upper line shows Hetch Hetchy Power's forecasted retail sales if it successfully achieves its goals of acquiring new retail customers previously not served by Hetch Hetchy Power.

Newer forecasts, prepared subsequent to the completion of the IRP, assume lower goals for new retail sales. Updates to the IRP will reflect these revised forecasts.

4.3 Planning Horizon

A fundamental purpose of the IRP Filing is to identify how the POU will meet its SB350 2030 GHG targets. The CEC Guidelines specify that the minimum planning horizon for a POU's IRP filing cover

---

[72] Hetch Hetchy Power has detailed knowledge of its customer's demands, because most of Hetch Hetchy Power's existing retail sales are to other municipal departments. This information comes from interactions with the departments and the City's long-term capital planning process. Additionally, municipal load is much less subject to fluctuations due to economic conditions. Thus, Hetch Hetchy Power has not needed to rely on extensive econometric models forecasting economic and other trends to determine its demand forecast.

[73] CEC Mid-demand Baseline and High-demand forecasts for Hetch Hetchy Power from the CEC's California Energy Demand Forecast.

through at least 2030 and encourages, but does not require POUs to address the post-2030 period. Hetch Hetchy Power's IRP goes out to 2041.

4.4 Multiple Scenarios

The IRP detailed two scenarios. For the IRP Filing, Hetchy Power reports results from Scenario 1 because these results correspond to the "baseline scenario" of existing policy. The Scenario 3 results are similar, but are not reported in the tables. These results can be found in the IRP, attachment A.

4.5 Supporting Tables[74]

The CEC Guidelines require POUs to complete and submit four standardized tables as part of their IRP Filing. These tables are:

- Capacity Resource Accounting Table (CRAT) that demonstrates annual peak capacity needs and how the POU expects to meet these needs between now and 2030;
- Energy Balance Table (EBT) that provides estimates of annual retail sales and net energy for load (in MWh) through 2030;
- Greenhouse Gas Emissions Accounting Table (GEAT) which shows the POU's projected annual GHG emissions attributed to each generation resource in the POU's portfolio; and
- RPS Procurement Table (RPT) that identifies the renewable energy and REC procurement and retirement in each RPS compliance period through the planning horizon.

These tables are provided in Attachment B. Inputs to these tables are from the "baseline" scenario 1 of the IRP. The RPS Procurement Table reflects Hetch Hetchy Power's alternative RPS compliance obligation (as described in Ch. 3.2 above).[75]

Hetch Hetchy Power's IRP was developed on a fiscal year basis. For purposes of the supporting tables, sales and demand figures were converted into calendar years using a weighted-average.[76]

Submission of these tables also meets the requirements that Hetch Hetchy Power "must address procurement for a diversified procurement portfolio . . . This requirement can be met by providing the standardized tables and other filing requirements included in the guidelines."[77]

Hetch Hetchy Power must also include its current adopted RPS procurement plan as Supporting Information in its IRP Filing.[78] Hetch Hetchy Power includes its current RPS Procurement Plan as adopted by the Commission[79] as Attachment C.

---

[74] CEC Guidelines, Appendix B.
[75] Public Utilities Code Sections 399.30(j) and CEC Guidelines, Appendix B, p. B-15.
[76] For example, 2019 sales are weighted 50% from fiscal year (FY) 2018-2019 sales and 50% from FY2019-2020 sales.
[77] CEC Guidelines, Ch.2, Section F.1, p. 6.
[78] CEC Guidelines, Ch. 2, Section 2.F.c., p. 7.
[79] The Commission adopted Hetch Hetchy Power's RPS Procurement Plan on November 13, 2012 by Resolution 12-0217.

DRAFT

Attachment A: 2017 INTEGRATED RESOURCE PLAN

DRAFT

DRAFT

Attachment B: CEC STANDARDIZED TABLES

DRAFT

DRAFT

Attachment C: HETCH HETCHY POWER ADOPTED RPS PROCUREMENT PLAN

DRAFT

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0188

WHEREAS, Pursuant to Article V of Chapter 43 ("Article V") of the San Francisco Administrative Code ("City's Administrative Code"), enacted by Ordinance No. 203-98, adopted by the Board of Supervisors ("Board") of the City and County of San Francisco ("City") on June 8, 1998, and signed by the Mayor of the City ("Mayor") on June 19, 1998 ("Ordinance No. 203-98"), as amended by Ordinance No. 270-06, adopted by the Board on October 24, 2006, and signed by the Mayor on October 31, 2006 ("Ordinance No. 270-06" and, together with Ordinance No. 203-98, the "Ordinances"), the Board established a procedure pursuant to which the San Francisco Public Utilities Commission ("Commission") may issue short-term indebtedness, including the issuance and reissuance of commercial paper notes in anticipation of the issuance of revenue bonds; and

WHEREAS, On June 5, 2018, the voters of the City approved Proposition A ("Proposition A"), which among other things, amended Charter Section 8B.124 to authorize the Commission to issue indebtedness, including revenue bonds, notes, commercial paper or other forms of indebtedness, when authorized by ordinance approved by a two-thirds vote of the Board, for the purpose of reconstructing, replacing, expanding, repairing or improving power facilities under the jurisdiction of the Commission ("Power Enterprise"), or for any other lawful purpose of the power facilities of the City in furtherance of the purposes specified in Charter Section 8B.124, provided that the Commission is prohibited from financing the construction of power plants that generate electricity using fossil fuels or nuclear energy under Proposition A; and

WHEREAS, The Board's authority to authorize issuance of debt under Section 8B.124 of the Charter is subject to (i) receipt of certification from an independent engineer that (x) the projects to be financed by such debt meet utility standards, and (y) estimated net revenue will be sufficient to meet operating, maintenance, debt service coverage and other indenture or resolution requirements; (ii) receipt of certification from the San Francisco Planning Department that facilities financed with such debt will comply with applicable requirements of the California Environmental Quality Act ("CEQA") (collectively, "Proposition A Certifications"); and

WHEREAS, Pursuant to Article V and the Ordinances, the Commission previously established its commercial paper program for the Power Enterprise ("Power CP Program") to provide for the short-term financing of capital improvements and related costs for improvements, betterments and additions to the Power Enterprise; and

WHEREAS, On September 8, 2015, by Resolution 15-0183, the Commission authorized the issuance and reissuance of commercial paper notes (the "CP Notes") under the Power CP Program in an aggregate principal amount not to exceed $90,000,000 (the "Existing CP Program"); and

WHEREAS, In connection with the Existing CP Program, the Commission previously authorized, executed and delivered (i) a Reimbursement Agreement, dated as of December 1, 2015 ("Existing Bank of America Reimbursement Agreement"), between the Commission and Bank of America, N.A. ("Bank of America"), (ii) a Fee Agreement, dated December 17, 2015 ("Existing Bank of America Fee Agreement"), between the Commission and Bank of America, and (iii) an Issuing and Paying Agent Agreement, dated as of December 1, 2015 ("Existing

Issuing and Paying Agent Agreement"), between the Commission and U.S. Bank National Association, as issuing and paying agent ("Paying Agent"); and

WHEREAS, In order to market and remarket the CP Notes, the Commission also previously authorized, executed and delivered (i) a Dealer Agreement, dated as of December 1, 2015, by and between the Commission and Barclays Capital Inc., which expires on December 17, 2018, (ii) a Dealer Agreement, dated as of December 1, 2015, by and between the Commission and Goldman, Sachs & Co., which expires on December 17, 2018, and (iii) a Dealer Agreement, dated as of December 1, 2015, by and between the Commission and RBC Capital Markets, LLC, which expires on December 17, 2018 (collectively, "Original Dealer Agreements"); and

WHEREAS, To secure repayment of the CP Notes, Bank of America issued its direct-pay letter of credit ("Existing Bank of America Letter of Credit"), which will terminate by its terms on December 17, 2018; and

WHEREAS, The Commission desires to approve, confirm and ratify any actions heretofore taken by and the continuing authorization of the General Manager or his or her designee to (i) execute amendments to extend the term of the Existing Bank of America Reimbursement Agreement, (ii) extend the stated expiration date of the Existing Bank of America Letter of Credit, and (iii) extend the term of the Original Dealer Agreements; and

WHEREAS, The Commission now desires to increase the aggregate principal amount of commercial paper notes authorized to be outstanding at any one time under the Power CP Program from $90,000,000 to $250,000,000 (hereinafter the "CP Notes") pursuant to the provisions of (i) Article V of the City's Administrative Code; (ii) Sections 9.107(6) and 9.107(8) of the Charter, and (iii) Section 8B.124 of the Charter subject to filing with the Clerk of the Board the Proposition A Certifications (collectively, the "City Authorizations"), exclusive of accruing interest, for the short-term financing of capital improvements and related costs for improvements, betterments and additions to the Power Enterprise, and to approve the issuance from time to time of such CP Notes, and subject to approval of an ordinance proposed for consideration by the Board ("Proposed Ordinance"); and

WHEREAS, Pursuant to Article V, the Director of the City's Office of Public Finance ("Director"), upon recommendation of the Commission, is authorized to negotiate and execute credit or liquidity facilities to support the CP Notes and any additional agreements related thereto; and

WHEREAS, The Commission issued a request for bids from qualified banks to provide for one or more letters of credit and/or revolving lines of credit to secure the payment of the CP Notes in an aggregate principal amount not to exceed $250,000,000; and

WHEREAS, After an evaluation of the responses to such request for bids, the Commission staff determined that the following two were the most advantageous to the Commission: (i) a direct-pay letter of credit from Bank of America replacing the Existing Bank of America Letter of Credit in an original stated principal amount not to exceed $125,000,000, plus an amount equal to 270 days interest on such principal amount at a rate of twelve percent (12%) per annum, to secure payment of a portion of the CP Notes outstanding from time to time ("Bank of America Letter of Credit"); and (ii) a direct-pay letter of credit from Sumitomo Mitsui Banking Corporation, acting through its New York Branch ("SMBC"), in the original stated amount not to exceed $125,000,000, plus an amount equal to 270 days interest on such principal amount at a rate of twelve percent (12%) per annum, to secure payment of a portion of the CP

Notes outstanding from time to time ("SMBC Letter of Credit" and, together with the Bank of America Letter of Credit, the "Letters of Credit"); and

WHEREAS, The Commission finds it appropriate and in its best interest to (i) amend the Existing Bank of America Reimbursement Agreement (as amended, "Bank of America Reimbursement Agreement") and the Existing Bank of America Fee Agreement (as amended, the "Bank of America Fee Agreement"), and (ii) enter into a Reimbursement Agreement between the Commission and SMBC ("SMBC Reimbursement Agreement" and, together with the Bank of America Reimbursement Agreement, "Reimbursement Agreements") and a Fee Agreement between the Commission and SMBC ("SMBC Fee Agreement" and, together with the Bank of America Fee Agreement, "Fee Agreements"); and

WHEREAS, In order to accommodate the use of the Letters of Credit, the Commission finds it appropriate and in its best interest to amend and restate the Existing Issuing and Paying Agent Agreement (as amended and restated, the "Amended and Restated Issuing and Paying Agent Agreement") with the Paying Agent for the CP Notes; and

WHEREAS, In order to market and remarket the CP Notes, the Commission finds it appropriate and in its best interest to amend the Original Dealer Agreements (each, as amended, an "Amended Dealer Agreement" and together, the "Amended Dealer Agreements"); and

WHEREAS, The Commission finds it appropriate and in its best interest to deliver an offering memorandum ("Offering Memorandum") in connection with the issuance and sale of the CP Notes; and

WHEREAS, The Program will fund planning and design, technical and feasibility studies, as well as environmental review, prior to consideration and approval of the individual projects listed in the Power Enterprise Capital Project Budget for FY 2018-19 and FY 2019-20, in Resolution No. 18-0023, and the Program could also fund construction and implementation of projects, following completion of environmental review, if the Commission approves the project. No project would commence construction or implementation without the Commission's project review and approval following consideration of completed environmental review. This action does not constitute approval of any project for purposes of CEQA; and

WHEREAS, Proposed forms of the Reimbursement Agreements, which include, as exhibits, proposed forms of the respective Bank Notes ("Bank Notes"), the Fee Agreements, the Amended and Restated Issuing and Paying Agent Agreement, the Amended Dealer Agreements, the Offering Memorandum and the Proposed Ordinance have been submitted to the Commission and filed with the Secretary;

NOW THEREFORE BE IT RESOLVED by the Public Utilities Commission of the City and County of San Francisco, as follows:

Section 1. Proposed Ordinance. This Resolution and the approvals and authorizations set forth in the following Sections are subject to, and contingent upon, adoption by the Board of Supervisors and approval by the Mayor of the Proposed Ordinance. The General Manager or his or her designee is authorized and directed to submit the Proposed Ordinance to the Board requesting consideration and approval of the increase to the aggregate principal amount of commercial paper notes outstanding at any one time under the Power CP Program from $90,000,000 to $250,000,000 pursuant to the City Authorizations, subject to filing with the Clerk of the Board the necessary Proposition A Certifications in the case of any projects to be financed under Section 8B.124 of the Charter.

Section 2. Increase of Authorized Amount of CP Notes. The Commission hereby approves the increase to the aggregate principal amount of commercial paper notes outstanding at any one time under the Power CP Program from $90,000,000 to $250,000,000 pursuant to the City Authorizations, and authorizes the issuance thereof. The General Manager of the Commission ("General Manager") or his or her designee is authorized to issue and reissue, or to cause the issuance and reissuance of, up to $250,000,000 of CP Notes in accordance with the terms hereof. The CP Notes shall bear interest at a rate or rates not to exceed 12% per annum, and, in conformance with Section 43.5.2 of the City's Administrative Code, shall mature not more than 270 days following their date of issuance.

Section 3. Approval of Reimbursement Agreements, the Respective Bank Notes and Fee Agreements. The Reimbursement Agreements, the respective Bank Notes and the Fee Agreements, in substantially the forms submitted to this Commission, are hereby approved and recommended to the Director for approval pursuant to Article V of the City's Administrative Code. The General Manager or his or her designee is authorized and directed to execute and deliver the Reimbursement Agreements, the respective Bank Notes and the Fee Agreements, including such additions thereto or changes therein which the General Manager, upon consultation with the City Attorney and Director, shall approve, such approval to be conclusively evidenced by the execution and delivery of each such Reimbursement Agreement, the respective Bank Notes and the Fee Agreements.

Section 4. Approval of Amended and Restated Issuing and Paying Agent Agreement. The Reimbursement Agreements, the Amended and Restated Issuing and Paying Agent Agreement, in substantially the form submitted to this Commission, is hereby approved and recommended to the Director for approval pursuant to Article V of the City's Administrative Code. The General Manager or his or her designee is authorized and directed to execute and deliver the Amended and Restated Issuing and Paying Agent Agreement, including such additions thereto or changes therein which the General Manager, upon consultation with the City Attorney and Director, shall approve, such approval to be conclusively evidenced by the execution and delivery of the Amended and Restated Issuing and Paying Agent Agreement.

Section 5. Approval of Amended Dealer Agreements. The Amended Dealer Agreements, in substantially the form submitted to this Commission, are hereby approved and recommended to the Director for approval pursuant to Article V of the City's Administrative Code. The General Manager or his or her designee is authorized and directed to execute and deliver one or more Amended Dealer Agreements, including such additions thereto or changes therein which the General Manager, upon consultation with the City Attorney and Director, shall approve, such approval to be conclusively evidenced by the execution and delivery of each such Amended Dealer Agreement.

Section 6. Approval of Offering Memorandum. The Offering Memorandum, in substantially the form submitted to this Commission, is hereby approved and recommended to the Director for approval pursuant to Article V of the City's Administrative Code. The General Manager or his or her designee is hereby authorized and directed to distribute or to cause the distribution of one or more Offering Memoranda relating to the CP Notes, including such additions thereto and changes therein, and any amendments or supplements thereto from time to time, which the General Manager, upon consultation with the City Attorney and the Director, shall approve, such approval to be conclusively evidenced by the distribution of each such Offering Memorandum.

Section 7. Extensions of Term of Letters of Credit. The General Manager or his or her designee is further authorized, upon consultation with the City Attorney and the Director, to execute one or more amendments to extend the term of each Letter of Credit authorized

hereunder for an aggregate period not to exceed nine years from the effective date of such Letter of Credit, provided that the annual facility fee payable thereunder to each of Bank of America or SMBC, as applicable, shall not exceed $550,000, and that there shall be no material change in terms of the documents securing the letters of credit that would materially increase the obligations of, or risk of loss to, the Commission.

Section 8. Extensions of Term of Amended Dealer Agreements. The General Manager or his or her designee is further authorized, upon consultation with the City Attorney and the Director, to execute one or more amendments to extend the term of any Amended Dealer Agreement authorized hereunder for an aggregate period not to exceed nine years from the effective date of such Amended Dealer Agreement, provided that the total compensation to the commercial paper dealers shall not exceed an aggregate of $150,000 per year, and that there shall be no material change in terms of the documents setting forth the duties and obligations of the dealers that would materially increase the obligations of, or risk of loss to, the Commission.

Section 9. Further Actions. The General Manager or his or her designee, upon consultation with the City Attorney and the Director, is authorized and directed to execute and delivery such other agreements, certifications or documents, and to take any and all necessary action in furtherance of the purposes of this Resolution, the issuance of the Letters of Credit and the marketing and sale of the CP Notes.

Section 10. Compliance with CEQA. The Program will fund planning and design, technical and feasibility studies, as well as environmental review, prior to consideration and approval of the individual projects listed in the Power Enterprise Capital Project Budget for FY 2018-19 and FY 2019-20, in Resolution No. 18-0023, and the Program could also fund construction and implementation of projects, following completion of environmental review, if the Commission approves the project. No project would commence construction or implementation without the Commission's review and approval following environmental review. This action does not constitute approval of any project for purposes of CEQA.

Section 11. Delegation. The General Manager is authorized to delegate any of the responsibilities or duties set forth in this Resolution to the Assistant General Manager, Business Services and Chief Financial Officer of the Commission.

Section 12. Ratification. All actions heretofore taken by the officials, employees and agents of the Commission, with respect to the issuance of the Letters of Credit for the Power CP Program, the extension of the stated expiration date of the Existing Bank of America Reimbursement Agreement and Existing Bank of America Fee Agreement and the extension of the initial terms of the Original Dealer Agreements, are hereby approved, confirmed and ratified.

Section 13. Effective Date. This Resolution shall take effect from and after the date of its adoption.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting on November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Hood

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0189**

WHEREAS, Green infrastructure protects and enhances the function of the City and County of San Francisco's combined sewer system by reducing the volume and rate of stormwater run-off into the system; and

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) has a multi-faceted program to maximize the detention and retention of stormwater, including through green infrastructure; and

WHEREAS, The SFPUC has determined that a Green Infrastructure Grant Program targeting properties in San Francisco containing large impervious surfaces will deliver cost-effective stormwater management performance for SFPUC's collection system; and

WHEREAS, The SFPUC has developed eligibility criteria for the Grant Program set forth in the attached Grant Program Guidelines, including a minimum project size of 0.5 acres of impervious surface in order to ensure that projects receiving grant funding will provide significant stormwater performance; and

WHEREAS, The Grant Program Guidelines also require that grant-funded projects must manage the first 0.75 inches in rainfall depth over the drainage area, consistent with SFPUC capital projects; and

WHEREAS, The SFPUC has allocated $3,000,000 in Sewer System Improvement Program (SSIP) funding for the Fiscal Year ending June 30, 2019, and $5,000,000 in SSIP funding for the Fiscal Year ending June 30, 2020 to launch the Green Infrastructure Grant Program; and

WHEREAS,This action does not constitute a "Project" under California Environmental Quality Act (CEQA) Guidelines Section 15378(b)(4) because the proposed Green Infrastructure Program creates a government funding mechanism which does not involve commitment to any specific project which may result in a physical change in the environment. Under the Green Infrastructure Grant Program Guidelines, approval of grant applications will be contingent on the proposed project's compliance with all applicable local, State, and federal permit requirements. Funds for construction will not be issued until the project has undergone environmental review in compliance with the California Environmental Quality Act (CEQA) and San Francisco Administrative Code Chapter 31; and

WHEREAS, The SFPUC has conducted stakeholder outreach to owners of parcels containing large impervious area and has found enthusiastic potential grant applicants interested in delivering these stormwater management benefits; now, therefore, be it

RESOLVED, The Commission hereby approves the attached Green Infrastructure Grant Program Guidelines, including the eligibility criteria set forth therein; and be it

FURTHER RESOLVED, The Commission delegates to the General Manager the authority to negotiate, award, and execute grant agreements, in substantially the same form as on file with the Commission Secretary, with a term of 20 years and a maximum grant amount of $765,000 per impervious acre managed for up to a maximum grant amount of $2,000,000 each, with grantees who meet the eligibility requirements under the Grant Program Guidelines, and recommends that the Board of Supervisors adopt an ordinance delegating its authority under Charter Section 9.118 to the SFPUC General Manager to execute such grant agreements for a term in excess of 10 years; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the SFPUC General Manager to enter into any amendments or modifications to the grant agreements that the General Manager determines, in consultation with the City Attorney, are in the best interest of the City, do not materially decrease the City's rights or materially increase the obligations or liabilities of the City, are necessary or advisable to effectuate the purposes and intent of the grant agreements or this resolution, and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of November 13, 2018.

Donna Hood

Secretary, Public Utilities Commission

Green Infrastructure Grant Program

Program Guidelines

(October 2018)

San Francisco Water Power Sewer

Services of the San Francisco Public Utilities Commission

Grant Program Overview

The San Francisco Public Utilities Commission's (SFPUC) Green Infrastructure Grant Program (Grant Program) is designed to encourage San Francisco property owners to design, build, and maintain performance-based green stormwater infrastructure (Green Infrastructure or GI) projects, including but not limited to: permeable pavement, bioretention, rainwater harvesting, and rain gardens, and vegetated roofs. The goal of this program is to reduce the amount of stormwater runoff entering SFPUC's sewer system, thereby improving system performance.

To receive funding under the Grant Program, an applicant must satisfy the Grant Program's Eligibility Criteria, as set forth below.

The SFPUC will determine the dollar amount of each grant award by the amount of impervious acreage the proposed project can manage using green infrastructure (*i.e.*, the amount of impervious surface that drains stormwater runoff during storms to green infrastructure, or "impervious acres managed"). Individual grant awards are capped at a *maximum* of $765,000 per impervious acre managed, up to a maximum of $2,000,000 per grant.

The SFPUC will accept applications and award grants on a first come, first serve rolling basis. Grant applications will be reviewed in the order in which they are received, and will be awarded based on whether the applicant satisfies all of the eligibility criteria set forth in Step 1 below, subject to availability of funds and all City budgetary requirements.

Applicants that have been awarded grant funds (Grantees) will be required to enter into a 20-year Stormwater Management Agreement with the SFPUC. The Stormwater Management Agreement requires the Grantee/property owner to maintain the project for the 20-year term and authorizes the SFPUC to periodically inspect the project.

The purpose of the Grant Program is to fund stormwater retrofits (meaning, construction of GI projects on existing properties). Parcels undergoing new development and redevelopment that trigger[1] the Stormwater Management Ordinance, San Francisco Public Works Code, Article 4.2, *et seq*,, are not eligible for grant funds. Participation in this grant program does not prohibit participation in other SFPUC programs.

The following resources are available on the SFPUC website to help support the development of a successful grant application:

- Stormwater Management Requirements and Design Guidelines
- BMP Fact Sheets
- Green Infrastructure Typical Details and Specifications

[1] New development and redevelopment projects that create and/or replace: (1) ≥5,000 square feet of impervious surface in separate and combined sewer areas; or (2) ≥2,500 square feet of impervious surface in separate sewer areas trigger the Stormwater Management Ordinance.

- Vegetation Palette for Bioretention BMPs
- Green Infrastructure Construction Guidebook
- Green Infrastructure Maintenance Guidebook
- SFPUC Rainwater Harvesting Manual

For additional information or assistance, please contact the SFPUC Grant Administrator at: XXXXXXXXXX@sfwater.org or call 415-XXX-XXXX.

I. Eligibility Criteria

Eligibility Criteria

Prior to applying to the Green Infrastructure Grant Program, you must determine whether your project is eligible for the Grant Program. Projects that meet all of the following six criteria are eligible for funding under the Grant Program:

1. **Project Size:** The proposed project must manage stormwater runoff from a minimum of 0.5 acres of impervious surface. The total area of impervious surfaces does not need to be contiguous and can be comprised of several smaller impervious drainage areas totaling 0.5 acres.

2. **Project Location:** The proposed project site must connect to a SFPUC-owned and operated sewer system service area. The project may be located in either the combined sewer system area or municipal separate storm sewer system area.

3. **Performance:** The project's proposed Green Infrastructure features must capture the 90th percentile 24-hour storm, equivalent to 0.75-inch depth. The 90th percentile 24-hour storm represents an amount of precipitation that 90% of all rainfall events for the historical period of record do not exceed.

4. **Grant Team Experience:** The grant team must include the property owner, an identified grant or project manager, and a licensed engineer or landscape architect registered in the State of California. The engineer or landscape architect that designed your project must be identified in the Project Application Form. Your proposed project team must collectively demonstrate a history of successful project implementation and have previous experience designing, constructing, and/or maintaining green infrastructure.

5. **Concept Design:** You must submit a conceptual design plan drawing approximately equivalent to a 10% level of design. As you are developing your concept design, use the Stormwater Performance Calculator in the application to demonstrate that your design meets the minimum performance criteria.

   The concept design must identify the following information:
   - Existing conditions
     - Property and easement boundaries
     - Road labels
     - Contours
     - Vicinity map including minor watershed(s)
     - Utilities, e.g., water lines, electric lines
     - North arrow and scale
     - Existing impervious areas, e.g., roof, pavement, driveway

- Existing stormwater infrastructure (including existing connections to the sewer system) and drainage management areas for those connections
- Existing trees (drip line and trunk diameter)

- Proposed Site Plan (at a scale no greater than 1"=20'-0")
  - Project boundary
  - Grading contours
  - Changes to land cover including impervious surfaces
  - Stormwater management practices (BMPs)
    - Facility type and sizing information, *e.g.*, footprint (sf), depth, volume
    - Corresponding drainage management area to each BMP. Each DMA should include the portion of the project site that drains to a single BMP (or group of hydraulically connected BMPs) and the area of the BMP itself, or the portion of the project site that drains directly to the sewer system. Label the size of each DMA (square feet).
    - BMP conveyance items, *e.g.*, overflow, underdrain, outlet control structures
    - Show each proposed pervious and impervious surface type (including stormwater BMPs) with a distinct hatching type. Label all BMPs with an ID number (e.g. for vegetated roof, VR-01, VR-02, etc.). Use the same BMP ID number in the Maintenance and Inspection Schedules.
  - Proposed conveyance (*i.e.*, connections to BMPs and connections to existing conveyance systems or sewers) and site drainage features (*e.g.*, drains, downspouts, and flow direction arrows)
    - Include within the site plan all necessary information to clearly demonstrate the stormwater path of travel. For example, include roof slope break lines, area and roof drains, and downspouts; pipes from drains to BMPs and from BMPs to sewer connections; underdrains and overflows associated with BMPs; and pipes from uncaptured areas to sewer connections. Provide flow direction arrows for sheet flow and pipe flow.

6. **At Least Two Co-Benefit Opportunities:** Applicants are required to demonstrate that the proposed project will have at least two (2) of the identified co-benefits listed below. GI projects provide a variety of co-benefit opportunities in addition to reducing the amount of stormwater runoff that enters the SFPUC's sewer system. The co-benefits of your project will depend on your priorities and your project design. Evaluating how your project can achieve some of the co-benefits listed below is an important step in the application process.

Co-Benefit	Definition
Location within or serving Environmental Justice Area or Disadvantaged Community	The SFPUC is committed to the goals of environmental justice to lessen disproportionate environmental impacts on communities in all SFPUC service areas and to ensure that public benefits are shared across all communities. To help address social and environmental issues, the SFPUC has adopted Environmental Justice and Community Benefits policies. To qualify for this co-benefit, projects must meet one of the following criteria: 1. Projects that are located within an Environmental Justice Area (EJ) or Disadvantaged Community (DC) in San Francisco qualify for this co-benefit. To determine if your project falls in

	one of these areas, please refer to the following map: link to map 2. Alternatively, facilities that serve Disadvantaged Communities or Environmental Justice Areas qualify for this co-benefit. Project sites not within a specified EJ or DC must: • Provide free or reduced lunch to greater than 50% of students/attendees. • Provide meaningful access to and engagement with the project to an organization that serves a specified community within an EJ or DC area.
Public Access Opportunities	Green infrastructure projects that are open to the public promote awareness of and education about the importance of stormwater management in San Francisco. They also provide community gathering spaces and support neighborhood beautification. To select this co-benefit as one of the two required for grant fund eligibility, the project site must be in a publicly accessible space. If a project site is only open to the public during specific times of the day (e.g., after school programs, etc.) it must be open for a minimum of 2 hours per day.
Groundwater Recharge	Groundwater recharge may be attained through the planned infiltration of stormwater in the Westside Groundwater Basin. To select this co-benefit as one of the two required for grant fund eligibility, the project must be located above the Westside Groundwater Basin (link to map) and manage at least 0.25 acres of impervious surface with an infiltration-based BMP.
Non-Potable Water Reuse	Rainwater and stormwater can be collected, treated, and used to satisfy non-potable water demands. For example, a rainwater harvesting system can provide treated non-potable water for landscape irrigation and/or toilet flushing at your site. To select this co-benefit as one of the two required for grant fund eligibility, the project must design and implement an onsite non-potable water reuse system with a storage capacity of at least 6,000 gallons.
Education and/or Curriculum Opportunities	Projects that provide detailed educational signage and/or opportunities to integrate curriculum will qualify for this co-benefit. Integrated curriculum could include lesson plans that incorporate learning related to specific project elements, detailed signage that explains how Green Infrastructure works to reduce stormwater runoff into the sewer system, etc. To qualify for this co-benefit, projects must incorporate educational signage or curriculum relating to the function of green infrastructure assets and their impact on broader watershed and sewer systems.
Job Training Opportunities	Providing jobs and job training in the green stormwater infrastructure sector is an important part of successfully implementing green infrastructure in San Francisco. As part of the Community Benefits policy, the SFPUC is committed to providing

	workforce development opportunities for residents of San Francisco. To select this co-benefit as one of the two required for grant fund eligibility, projects must agree to serve as a training site for trainees learning about the design, construction, maintenance or monitoring of green infrastructure. To achieve this, the site must be open and accessible to trainees and their instructors for a minimum of 16 hours per year (during business hours).
Increase Biodiversity/Native Habitat	San Francisco has adopted citywide biodiversity goals to restore and maintain diverse native habitats in the city. Projects that prioritize creating habitat can qualify for this co-benefit. Biodiversity and wildlife habitat can be prioritized through the project's landscape planting plan and integrated into the design through features such as native pollinator gardens. To select this co-benefit as one of the two required for grant fund eligibility, projects must identify one (1) or more native species that the project is designed for, provide a plant palette selected to attract that species, and provides at least 500 square feet of vegetation using the proposed plant palette.

II. Application Process

Step 1: Schedule a Pre-Application Meeting

Before submitting your application, the grant or project manager must schedule a pre-application meeting. The purpose of the pre-application meeting is to ensure that your project meets all of the minimum requirements before you submit an application and to discuss your project's proposed stormwater management concepts. We highly suggest that you download and review the grant application as well as the Stormwater Management Agreement prior to attending a pre-application meeting to help ensure that all of your questions can be answered!

To schedule a pre-application meeting, please contact the SFPUC Grant Program Administrator at xxxxx@sfwater.org.

Who should attend the pre-application meeting?
The grant project manager and lead designer(s) should attend the pre-application meeting.

What should I bring to the pre-application meeting?
Please bring the following items to the pre-application meeting:

Essential:

1. Confirmation that your property meets the minimum eligibility criteria
2. Visual or written summary of site stormwater opportunities (e.g., any previous soil data available, existing topography, existing vegetated areas) and constraints (e.g., known utilities, steep slopes, setbacks)
3. Photos of the site
4. Any questions you have for the SFPUC

Highly recommended:

5. Draft concept design

6. Draft project narrative
7. Draft project budget
8. Draft stormwater performance calculator
9. Draft co-benefits form
10. Draft project schedule

Step 2: Complete Your Application

Once you have completed a pre-application meeting, you are ready to complete the grant application. The application is an Excel workbook available for download at (link). The workbook includes six (6) required forms that you must complete and print out (see the table below for sections of the application) in order to apply. All forms must be completed. The SFPUC will return incomplete applications to the applicant.

Application Template	Description
Project Application Form	This is where you provide general information about your proposed project including the location, proposed project team, and the total amount of funds that you are requesting. You must provide a project narrative that briefly describes the proposed project. This form also includes a checklist of the deliverables that you must include with your application.
Project Budget Template	The budget template is where you will describe how you propose to spend the grant funds. The budget template is divided into construction costs and non-construction costs. Your budget should be consistent with your proposed conceptual design and include contingencies that are consistent with a 10% level of design. These contingency multipliers can be reduced if your design is farther along than 10% but should not be increased without approval from the SFPUC Grant Program Administrator.
Stormwater Performance Calculator	The stormwater performance calculator determines the performance of the proposed BMP(s) based on their size and the impervious area draining to them. This allows you to demonstrate that your concept design meets the minimum stormwater performance requirement of capturing the 90th percentile storm from the impervious drainage areas. The inputs in this calculator include the BMP type(s), BMP footprint size, and impervious drainage management area. For rainwater harvesting cisterns re-use rates are also required. You must also input the predominant hydraulic soil group (HSG) type at your site, which the SFPUC uses to determine the performance of infiltrating facilities. If you do not know the soil type at your site, you can view the soil map within the calculator and select the appropriate type based on your project location. You must enter the stormwater service type for your site as either combined sewer system (CSS) or municipal separated storm sewer system (MS4). You can view a map of MS4 areas here. To use the stormwater performance calculator you should divide your proposed project site by BMP type and account for the

	impervious area draining to each type. The stormwater performance calculator will not show the performance output of your project until the data entered shows that you are using approved GI practices, managing at least 0.5 acres of impervious area, and capturing the 90th percentile storm from the proposed drainage areas. If you are having challenges completing the stormwater performance calculator, please contact the SFPUC Grant Program Administrator at xxxxx@sfwater.org for assistance.
Co-benefits Form	This form is for you to describe the co-benefits provided by your project. You must provide a description of how your project will deliver at least two (2) co-benefits from the identified list. Please describe how your project will provide co-benefits using specific, measurable, and achievable design goals.
Project Schedule Template	This template is where you will outline your proposed project schedule for major milestones. Your schedule should assume that SFPUC will take a maximum of 30-days to review each design deliverable. The schedule must propose starting construction of the project within 2 years after execution of the Stormwater Management Agreement.
Maintenance Template	This template is where you will outline the proposed maintenance activities for the proposed green infrastructure facilities. Please refer to the SFPUC BMP Fact Sheets for recommended maintenance activities and frequencies for the proposed BMP types in your project. If you are proposing to use proprietary BMPs, you should refer to the manufacturer for typical inspection and maintenance activities or prepared maintenance guides.

As part of your application, you must also submit the following two (2) attachments:

Application Attachments	Description
Grant Team Experience Narrative	The narrative should describe your project team's previous experience with delivering projects of similar scale and complexity, as specified in the Eligibility Criteria.
Conceptual Design	You must submit a conceptual design plan drawing with the elements outlined in the Eligibility Criteria.

Complete applications for the Green Infrastructure Grant Program must be sent via e-mail to xxxxxxxx@sfwater.org. You will receive a confirmation e-mail with the date and time of your

application. If you do not receive a confirmation e-mail within 5 business days, please e-mail the SFPUC Grant Administrator at XXXXXXXXXX@sfwater.org or call 415-XXX-XXXX.

For questions about the Grant Program or if you require assistance in completing the application, please e-mail the SFPUC Grant Administrator at XXXXXXXXXX@sfwater.org or call 415-XXX-XXXX.

Access our Technical Assistance Program to help!
Feeling overwhelmed? Our technical support team is available to help you work through your project concepts, co-benefits, and application process. Please reach out to our Technical Assistance Program at xxxx@sfwater.org.

III. Important Information

Eligible and Ineligible Costs

Eligible Costs: Grant funds can be used to cover all project costs related to the construction of the proposed Green Infrastructure facility. Grant funds cannot be used to pay for non-green infrastructure project elements, such as play equipment or furnishings. No more than 20% of the grant amount (or 25% of the direct construction cost) may be used for non-construction activities.

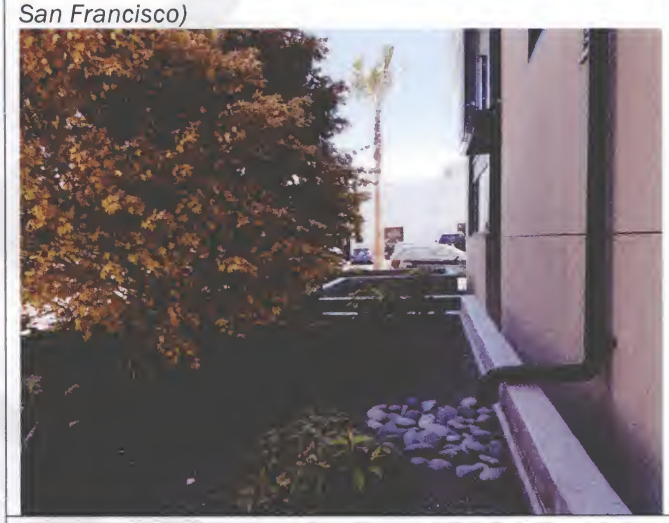
Eligible Costs	Ineligible Costs
• Construction elements of Green Infrastructure BMPs (surface and subsurface): - Soil - Plants - Concrete - Excavation - Grading - Underdrains - Irrigation • Educational signage relating to stormwater • Replacement in-kind, if applicable • Regrading of surfaces draining to BMPs • Impervious surface removal • Non-construction activities (up to 25% of direct construction cost): - Project management - Planning - Design - Geotechnical investigations - Structural investigations - Engineering surveys - Construction management	• On-going maintenance (including any contractor maintenance period) • Non-green infrastructure components, including by not limited to: - Decorative items - Benches - Play equipment - Lighting - Public Amenities • Monitoring or research • Land costs

Approved Green Stormwater Infrastructure Best Management Practices (BMPs): There are a variety of green stormwater infrastructure best management practices (or stormwater BMPs) that can help

you meet your stormwater targets. The type of stormwater BMP that is best for your project will depend on many factors, including available space, drainage area, soil type, and land use.

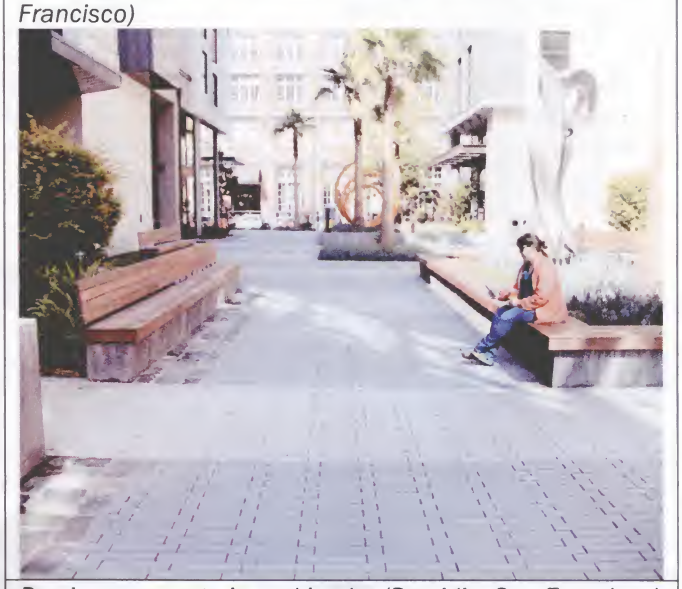
The stormwater BMPs you select for your project must be located and sized appropriately to capture runoff from the impervious areas on your site. Use the Stormwater Performance Calculator instructions in Step 6 below to determine minimum BMP sizing based on your project's impervious drainage areas. The following examples show some common stormwater BMPs.

Approved Green Stormwater Infrastructure BMPs:

BMP	Example
Bioretention/ Rain Garden: *Stormwater facilities that rely on vegetation and specially engineered soils to capture, infiltrate, transpire, and remove pollutants from runoff.*	*Downspout flowing into bioretention (1 Henry Adams, San Francisco)*  *Streetscape bioretention (Newcomb Ave, San Francisco)*

Permeable Pavement:
Any porous load-bearing surface that temporarily stores rainwater prior to infiltration or drainage to a controlled outlet.

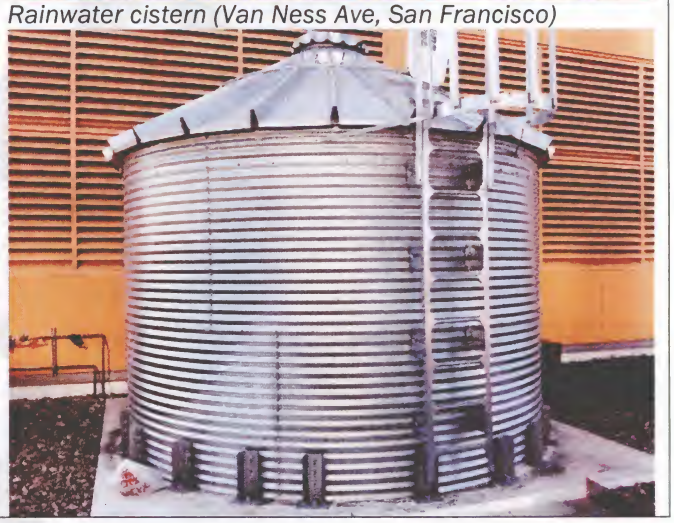
Permeable pavers in plaza (1 Henry Adams, San Francisco)



Pervious concrete in parking lot (Presidio, San Francisco)

Infiltration Trench/Gallery:
An unvegetated, rock-filled trench that receives surface stormwater runoff and allows it to infiltrate.

Downspout flowing into infiltration trench (RL Stevenson Elementary, San Francisco)

Vegetated Roof: *Roofs that are entirely or mostly covered with vegetation and soil.*	*Vegetated roof (Ortega Library, San Francisco)*
Rainwater Harvesting: *Cisterns that collect roof runoff and provide water for indoor or outdoor use.*	*Rainwater cistern (Van Ness Ave, San Francisco)* 

Grant Disbursement

Grant funds will be provided to the Grantee in three (3) disbursements:

- The SFPUC will disburse project non-construction costs upon the execution of the Grant Agreement and the Grantee's submission of all required funding documentation to the SFPUC (20% of total grant award).
- The SFPUC will disburse funding for construction upon the SFPUC's approval of 100% completed design and the Grantee's recording of the Declaration of Deed Restrictions (70% of total grant award).
- The SFPUC will disburse the final retention payment upon the SFPUC's final approval of the constructed project and the Grantee's submission of the Final Grant Report (10% of total grant award).

In order to receive any of the three (3) grant disbursements, the Grantee (or their designated subcontractor) must submit the following to the SFPUC:

- A completed W-9 IRS tax form from the designated payee.
- Insurance documentation described in the Grant Agreement.
- A City and County of San Francisco Bidder and Supplier Number. For more information on doing business with the City, please see the San Francisco Office of Contract Administration at www.sfgsa.org.

Taxes and Insurance

A grant counts as income and therefore may be taxable. It is the responsibility of the Grantee to determine whether a tax liability exists. The designated Grantee will receive a 1099-Misc tax form from the City in the February after award of the grant. By issuing a 1099-Misc, the City is fulfilling its legal obligation for tax-reporting. In order to issue a 1099-Misc, SFPUC will request relevant tax information from a designated Grantee through a W-9 IRS tax form, which must be completed and returned before a grant disbursement will be made.

The City requires evidence of insurance for all funded activities. Prior to beginning work on an activity, the Grantee must produce a Certificate of General Liability as well as proof of Worker's Compensation Insurance. The Grantee's insurance policy shall name the City and County of San Francisco, the San Francisco Public Utilities Commission, its board members and commissions, and all authorized agents and representatives, and members, directors, officers, trustees, agents and employees as additional insureds.

The Stormwater Management Agreement contains additional requirements related to taxes, insurance, and other matters.

Permits and Environmental Review

All projects must comply with applicable local, state, and federal permit requirements. Funds for construction will not be issued until the project has undergone environmental review in compliance with the California Environmental Quality Act (CEQA) and San Francisco Administrative Code Chapter 31.

For information regarding permits required to construct green stormwater infrastructure, please see our Green Infrastructure Permit Process Guidebook.

IV. Application Evaluation and Award

How Your Application is Evaluated

The SFPUC will determine whether the project meets all minimum eligibility requirements. Projects that do not meet the eligibility requirements will not receive grant funding.

Issue Reservation Letter

Upon selection of an application, the SFPUC will issue the Grantee a Reservation Letter confirming the amount of grant funds reserved for the project. A Reservation Letter is provisional and subject to execution of the Stormwater Management Agreement and the Grantee's submission to the SFPUC of the documentation required for funding disbursements.

Specifically, the Grantee has three (3) months from the date of the Reservation Letter to execute the Stormwater Management Agreement, submit a W-9 tax form, provide a valid copy of insurance documentation, and become an approved Bidder and Supplier with the City and County of San Francisco.

If the Grantee does not complete the above requirements within three months, the SFPUC reserves the right to rescind the grant award. The Grantee may request an extension of the grant reservation. The SFPUC, in its sole discretion, may grant such a request for an extension. In order to be effective, any extension of a grant reservation by the SFPUC must be made in writing.

Sign the Stormwater Management Agreement

The Stormwater Management Agreement has a term of twenty (20) years. The grant agreement will require the property owner to maintain the stormwater management function of the project for twenty years, which is considered the typical useful life of these assets.

In addition, property owners must record against the selected property a Declaration of Deed Restrictions notifying subsequent property owners of the obligation to maintain the project.

Templates for the Stormwater Management Agreement and the Declaration of Deed Restrictions can be found at www.XXXXXX.

V. Implementation

Design the Project

Grantees are required to submit documentation of successful completion of design milestones for review by the SFPUC via e-mail. Designs must be submitted at 35/65/95% completion (equivalent to 100% DD, 50% CD, 90% CD for architectural drawings) for review to ensure project performance. Design Submittal Checklists can be downloaded from the program website.

Final design documents (100% Construction Documents) must be submitted to the Grant Program Administrator via e-mail. The Grant Program Administrator will then issue final approval of the design to the Grantee. Once the Grant Program Administrator has issued final approval of the design, the Grantee may select a contractor.

Find a Contractor/Bid the Project

The Grantee will be responsible for procuring a licensed contractor to complete the construction of the project. The Grantee shall ensure that all contractors and subcontractors will comply with City insurance requirements.

A list of contractors that completed SFPUC green infrastructure training is available on the SFPUC website. This resource list serves as an optional reference point for Grantees to identify experienced contractors and obtain bids for potential grant-funded projects on their private properties. Grantees may contact any contractor directly to discuss their properties, make appointments, and request references. Grantees are NOT required to work with a contractor on this list to participate in the Grant Program. Grantees may collaborate with their existing contractors. SFPUC does not endorse or otherwise recommend these particular contractors.

Construct the Project

During construction the SFPUC reserves the right to enter the construction site and inspect the project at any time. The Grantee will be responsible for alerting the Grant Program Administrator of critical construction activities related to the installation of the stormwater management features.

Once construction is complete, the Grant Program Administrator will conduct a final walkthrough of the project to ensure that all stormwater management features were built to the plans and specifications. If the project is determined to be complete, the SFPUC Grant Program Administrator will issue a Project Completion Notification to the Grantee.

A Grantee may request to have the SFPUC amend its agreement to increase its Grant Award by up to an additional 10% of the amount of the original Grant Award to pay for unexpected costs that may

arise during bid or construction of the project. The SFPUC would approve or deny requests for such contingency funding at its sole discretion, and any such requests would be subject to the availability of funding.

Submit the Final Report

Before receiving the final grant disbursement, Grantees will be required to submit a Final Report to the SFPUC documenting all final project information. The final report must include construction as-builts, stormwater performance calculations, final construction costs, and a final maintenance checklist. The Final Report is due within 30 days of the issued Project Completion Notification. The Final Report template can be found on the program website.

VI. Post-Construction

Ongoing Maintenance

The Grantee will be responsible for all operations and maintenance of the project for the entirety of the 20-year grant term. The Grantee will be responsible for submitting annual maintenance reports to the SFPUC for the entire duration of the project.

Inspection

The SFPUC has the right to inspect the project at any time throughout the term of the Stormwater Management Agreement. If the stormwater management function of the project is found to be impaired, the SFPUC will issue a notice to perform in writing to the Grantee to complete all required maintenance activities.

Removal of Declaration of Deed Restrictions (Year 20)

Upon satisfaction of the obligation to operate and maintain the Project for twenty (20) years after the Project Completion Date, as defined in the Grant Agreement, the SFPUC will, upon request, record a release of the Declaration of Deed Restrictions in the official records of the City and County of San Francisco's office of the Assessor-Recorder.

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

CANCELLATION NOTICE

The regular meeting of the
San Francisco Public Utilities Commission
Tuesday, November 27, 2018
1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

HAS BEEN CANCELLED

Commissioners

Vince Courtney President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

AGENDA
Tuesday, December 11, 2018
1:30 P.M.

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners

Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

Accessible Meeting Policy: The San Francisco Public Utilities Commission meeting will be held in Room 400, at 1 Dr. Carlton B. Goodlett Place (400 Van Ness Ave.), San Francisco, CA. The closest accessible BART station is the Civic Center Station at United Nations Plaza and Market Street. Accessible MUNI lines serving this location are: MUNI Metro Lines J-Church, K-Ingleside, L-Taraval, M-Ocean View, N-Judah and T-Third at Van Ness and Civic Center Stations; F-Market; 19-Polk, 47-Van Ness; 49-Mission-Van Ness; 5-Fulton; 6-Parnassus, 21-Hayes; 9-San Bruno; and 7-Haight Noriega. For information about MUNI accessible services call 701.4485.

The meeting room is wheelchair accessible. Accessible curbside parking spaces have been designated on the Van Ness Avenue and McAllister Street perimeters of City Hall for mobility-impaired persons. There is accessible parking available within the Civic Center Underground Parking Garage at the corner of McAllister and Polk Streets, and within the Performing Arts Parking Garage at Grove and Franklin Streets.

To obtain a disability-related accommodation, including auxiliary aids or services, or to obtain meeting materials in alternative format, please contact Donna Hood at 415.554.3165. Providing at least 72 hours notice will help to ensure availability. Written reports or background materials for calendar items are available for public inspection and copying at 525 Golden Gate Ave., 13th Floor during regular business hours and are available on-line at http://www.sfwater.org/index.aspx?page=167.

To assist the City's efforts to accommodate persons with severe allergies, environmental illnesses, multiple chemical sensitivity or related disabilities, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these individuals.

The ringing of and use of cell phones, pagers and similar sound-producing electronic devices are prohibited at this meeting. Please be advised that the President may order the removal from the meeting room of any person(s) responsible for the ringing or use of a cell phone, pager, or other similar sound-producing electronic devices.

Know Your Rights Under the Sunshine Ordinance: Government's duty is to serve the public, reaching its decision in full view of the public. Commissions, boards, councils and other agencies of the City and County exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and that City operations are open to the people's review. For more information on your rights under the Sunshine Ordinance or to report a violation of the ordinance, contact Administrator, by mail to Sunshine Ordinance Task Force, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102.4689; by phone at 554.7724; by fax at 554.7854; or by email at sotf@sfgov.org.

Copies of the Sunshine Ordinance can be obtained from the Clerk of the Sunshine Task Force, the San Francisco Public Library and on the City's website at http://www.sfgov.org.

311 Free Language Assistance: 免費語言協助 / Ayuda gratuita con el idioma / Бесплатная помощь переводчиков / Trợ giúp Thông dịch Miễn phí / Assistance linguistique gratuite / 無料の言語支援 / 무료 언어 / 지원 / คว"มชว' ยเหลอื ท"งภ"ษ"โดยไมเ' ส'ยคาใชจ ้าย / Libreng tulong para sa wikang Tagalog ยเหลอื

Lobbyist Registration and Reporting Requirements: Individuals and entities that influence or attempt to influence local legislative or administrative action may be required by the San Francisco Lobbyist Ordinance [SF Campaign & Governmental Conduct Code §2.100] to register and report lobbying activity. For more information about the Lobbyist Ordinance, please contact the San Francisco Ethics Commission at 25 Van Ness Avenue, Suite 220, San Francisco, CA 94102; telephone (415) 252-3100; fax (415) 252-3112; web site at www.sfgov.org/ethics.

CEQA Appeal Rights under Chapter 31 of the San Francisco Administrative Code: If the Commission's action on a project constitutes the Approval Action for that project (as defined in S.F. Administrative Code Chapter 31, as amended, Board of Supervisors Ordinance Number 161-13), then the CEQA determination prepared in support of that Approval Action is thereafter subject to appeal within the time frame specified in S.F. Administrative Code Section 31.16. Typically, an appeal must be filed within 30 calendar days of the Approval Action for a project that has received an exemption or negative declaration pursuant to CEQA. For information on filing an appeal under Chapter 31, contact the Clerk of the Board of Supervisors at City Hall, 1 Dr. Carlton B. Goodlett Place, Room 244, San Francisco, CA 94102, or call (415) 554-5184. If the Planning Department's Environmental Review Officer has deemed a project to be exempt from further environmental review, an exemption determination has been prepared and can be obtained on-line at http://www.sf-planning.org/index.aspx?page=3447.Under CEQA, in a later court challenge, a litigant may be limited to raising only those issues previously raised at a hearing on the project or in written correspondence delivered to the Board of Supervisors, Planning Commission, Planning Department or San Francisco Public Utilities Commission at, or prior to, such hearing, or as part of the appeal hearing process on the CEQA decision.

ORDER OF BUSINESS

1. Call to Order

2. Roll Call

3. Approval of the Minutes of November 13, 2018

4. General Public Comment (discussion only)
   Members of the public may address the Commission on matters that are within the Commission's jurisdiction and are not on today's agenda.

5. Communications (discussion)
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Real Estate Update
   e) Annual Report on Net Energy Metering and Shared Renewable Energy
   f) Annual Water Resources Division Report
   g) Annual Water Supply Development Report
   h) Declaration of Emergency: Repair Oceanside Treatment Plant Ventilation Ducts
   i) Risk Management Annual Report
   j) Water Conservation Services for Non-Residential Sector
   k) Water Supply Conditions Update

6. Other Commission Business (discussion)

7. Report of the General Manager (discussion) (Kelly, Jr.)
   a) San Francisco Department of Human Resources Presentation: ApprenticeshipSF
   b) San Francisco Public Utilities Commission Engagement Survey Results
   c) Bay Delta Water Quality Control Plan Update
   d) Hetch Hetchy Capital Improvement Program Quarterly Report
   e) Wastewater Enterprise Capital Improvement Program Quarterly Report
   f) Water Enterprise Capital Improvement Program Quarterly Report
   g) Report on Recent San Francisco Public Utilities Commission Activities, Events and Announcements

8. Sewer System Improvement Program Quarterly Update (discussion) (How)

9. Bay Area Water Supply Conservation Agency Update (discussion) (Sandkulla)

The following matters before the San Francisco Public Utilities Commission are recommended for action as stated by the General Manager and City Attorney, where applicable. Explanatory documents provided to the Commission in connection with this agenda are available for public inspection and copying at the Office of the Commission Secretary, 525 Golden Gate Avenue, 13th Floor, San Francisco, CA 94102; Telephone: (415) 554-3165; Fax: (415) 554-3424; and are available on-line at http://www.sfwater.org/index.aspx?page=167

CONSENT CALENDAR

10. *All matters listed hereunder constitute a Consent Calendar, are considered to be routine by the San Francisco Public Utilities Commission and will be acted upon by a single vote of the Commission. There will be no separate discussion of these items unless a member of the Commission or the public so requests, in which event the matter will be removed from the Calendar and considered as a separate item.*

a) Approve Amendment No. 3 to **Agreement No. CS-203.A**, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Norby)

180192

b) Approve Amendment No. 4 to **Agreement No. CS-203.B**, Wastewater and Stormwater Technical Services, with Brown & Caldwell - SRT, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager of the to execute this amendment. (Norby)

180193

c) Approve Amendment No. 3 to **Agreement No. CS-203.D**, Wastewater and Stormwater Technical Services, with Kennedy/Jenks Consultants-WRE, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Norby)

180194

d) Accept work performed by Robert E. Boyer Construction, Inc., for **Contract No. HH-982**, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins; approve Modification No. 15 (Final) increasing the contract amount by $2,185 and extending the contract duration by 99 consecutive calendar days (approximately three months), for a total final contract amount of $9,722,344 and a total contract duration of 686 consecutive calendar days (approximately one year and 11 months); and authorize final payment to the contractor. (How)

180195

e) Accept work performed by Anvil Builders, Inc., for **Contract No. HH-983**, Cherry Dam Outlet Works Rehabilitation; approve Modification No. 7 (Final), increasing the contract amount by $236,366 and increasing the contract duration by 91 days (approximately three months), for a total contract amount of $6,929,777 and total contract duration of 757 consecutive calendar days (approximately two years and one month); and authorize final payment to the contractor. (How)

180196

f) Approve Modification No. 1 to **Job Order Contract, JOC-56**, Micro-LBE, HVAC Energy Efficiency (C-20 License), for San Francisco, San Mateo, Alameda Counties with G.Y. Engineering Company, Inc., extending the term
180197 by three years for a total contract duration of five years, with no new task orders issued after four years from the Contract certification date as allowed under the San Francisco Administrative Code Chapter 6.62, and with no change in contract amount. (How)

g) Approve the selection of AECOM/Lotus, Joint Venture (JV) (AECOM), Brown and Caldwell/SRT, JV (Brown and Caldwell), Hazen and Sawyer/Avila and Assoc., JV (Hazen and Sawyer), and Woodard & Curran, Inc./Hydroconsult Engineers, Inc., JV (Woodard & Curran); and award **Agreement Nos. PRO.0054.A-D**, As-Needed Wastewater and Stormwater Services, to provide as-needed wastewater and stormwater services; and
180198 authorize the General Manager to negotiate and execute four professional services agreements with AECOM (PRO.0054.A), Brown and Caldwell (PRO.0054.B), Hazen and Sawyer (PRO.0054.C) and Woodard & Curran (PRO.0054.D), each for an amount not-to-exceed $5,000,000, and each with a duration of five years. (Norby)

h) Award **Agreements Nos. PRO.0097.A-C**, Hetchy Capital Improvement Projects (HCIP) As-Needed Construction Management Services; approve
180199 the selection of AECOM-EMS Joint Venture (JV) (PRO.0097.A), Mott MacDonald/Dabri, Inc. JV (PRO.0097.B), and Avila and Associates Consulting Engineers, Inc. (PRO.0097.C), to provide construction management services to support HCIP on an as-needed basis; and authorize the General Manager to negotiate and execute three professional services agreements (PRO.0097.A, PRO.0097.B, PRO.0097C), each for an amount not-to-exceed $4,000,000 and each with a duration of five years. (How)

i) Approve the selection of Enterprise Solutions Consulting LLC; award **Agreement No. PRO.0113**, San Francisco Public Utilities Commission Hetch Hetchy Power Electric Billing System Replacement Project, for the procurement and implementation of a fully hosted and managed electric
180200 billing system for the SFPUC Power Enterprise; and authorize the General Manager to negotiate and execute a professional services agreement with Enterprise Solutions Consulting for a total amount not-to-exceed $4,374,527 and a contract duration of up to seven years. (Hale)

j) Approve an increase in the amount of $112,250 to the construction contract cost contingency, and an increase of 131 consecutive calendar days (approximately four months) to the duration contingency for **Contract No.**
180201 **WD-2850(I)**, Crystal Springs/San Andreas Pipeline Erosion Repair at OW-13 and OW-18; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $527,500 and a total revised contract duration of up to 230 consecutive calendar days (approximately eight months). (How)

k) Approve an increase in the amount of $500,000 to the construction contract cost contingency, and an increase of 220 consecutive calendar days

180202

(approximately seven months) to the contract duration contingency for **Contract No. WW-613**, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $30,122,166, and a total revised contract duration of up to 1,309 consecutive calendar days (approximately three years and seven months). (How)

l) Accept work performed by Ranger Pipelines, Inc., for **Contract No. WW-638**, Griffith Yard Improvements; approve Modification No. 4 (Final), increasing the contract amount by $891,167 for a total contract amount of $14,123,417, and extending the contract duration by 184 consecutive calendar days (approximately six months), for a total contract duration of 789 consecutive calendar days (approximately two years); and authorize final payment to the contractor. (How)

180203

m) Accept work performed by Precision Engineering, Inc., for **Contract No. WW-650**, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement; approve Modification No. 2 (Final), decreasing the contract amount by $274,716, and extending the contract duration by 315 consecutive calendar days (approximately 10 months), for a total contract amount of $2,927,434 and a total contract duration of 495 consecutive calendar days (approximately one year and 10 months); and authorize final payment to the contractor. (How)

180204

n) Approve the terms and conditions of, and retroactively ratify the General Manager's execution of, a **Memorandum of Understanding** with the San Francisco Police Department (SFPD) to allow for SFPD's continued use of the premises at 700 John Muir Drive in San Francisco as an existing firing range, personnel and police dog training facility, and parking, with no use fee. (Carlin)

180205

o) Approve the terms and conditions and authorize the General Manager to execute a no-fee, **five-year revocable license**, **to the Friends of the Urban Forest** for use of approximately 2,500 square feet of Parcel One of Block 3088, Lot 018 in San Francisco, California for storage of up to 240, 15-gallon tree seedlings in movable container boxes. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Carlin)

Removed from Calendar

REGULAR CALENDAR

11. Approve Amendment No. 3 to **Agreement No. CS-200**, Right-of-Way Services with Associated Right of Way Services, Inc.; and authorize the General Manager to negotiate and execute Amendment No. 3, to expand the scope of right-of-way services beyond Sewer System Improvement Program and Water System Improvement Program projects to include other San Francisco Public Utilities Commission projects and third-party uses of the SFPUC-owned right-of-way, with no change to the agreement amount or duration. (Carlin)

180206

emissions by 2040, per SFUSD Resolution No. 176-27A1, In Support of Carbon Neutral Schools. This MLA sets forth the terms and conditions under which SFUSD will allow the SFPUC to use certain SFUSD Sites to provide Energy Efficiency Project Services. (Hale)

17. Authorize the General Manager to execute, on behalf of the City and County of San Francisco, amendments to the **2009 Water Supply Agreement** with the San Francisco Public Utilities Commission's wholesale water customers; and approve new service area maps attached to the Individual Water Sales Contracts of the cities of San Jose and Santa Clara. (Ritchie)

180212

18. Discussion and possible action to approve the **2018 Proposed Baseline scope, schedule and budget** for individual projects over $5 million that are currently active or planned to be active within FY2018-2019 or FY 2019-2020, that are part of the **Water Enterprise Capital Improvement Program**, a sub-set of projects within the adopted San Francisco Public Utilities Commission 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Water Enterprise. (How)

180213

19. Discussion and possible action to approve the **2018 Proposed Baseline scope, schedule and budget** for individual projects over $5 million that are currently active or intended to be active during FY2018-2019 or FY2019-2020 that are part of the **Hetch Hetchy Capital Improvement Programs**, a sub-set of projects within the adopted San Francisco Public Utilities Commission 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Hetch Hetchy Water and Power Enterprise. (How)

180214

20. Declare surplus public utility easements encumbering San Francisco Block 8709, Lots 018, 019, 021, and 022; approve the terms and conditions of, and authorize the General Manager to execute, four **Easement Quitclaim Deeds** transferring the San Francisco Public Utilities Commission's interests in the Easements to ARE-San Francisco No. 15, LLC, ARE-San Francisco No. 36, LLC, and Mission Bay Commercial Maintenance Corporation. (Carlin)

180215

21. Public Comment on matters to be addressed during Closed Session

22. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

The Commission will go into Closed Session to discuss the following items:

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2) (discussion) (Gessner)

Anticipated Litigation as Plaintiff

Following Closed Session, the Commission will reconvene in Open Session

24. Announcement Following Closed Session

12. Approve the plans and specifications, and award **Contract No. HH-995**, Hetch Hetchy & Cherry Lake Road Guardrail Improvement Project, in the amount of $1,887,735, with a duration of 394 consecutive calendar days (approximately one year and one month), to the sole, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., as permitted under San Francisco Administrative Code Section 6.23(c)(3), to install guardrails along Cherry Lake Road and Hetch Hetchy Road in Tuolumne County. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (How)

180207

13. Approve Modification No. 2 for **Contract No. WW-628** SEP New Headworks Facility Project, a Construction Manager/General Contractor agreement, with Sundt-Walsh Joint Venture (JV), in the amount of $36,017,960, for a total contract amount of $292,180,184; approve an increase to the existing construction contract cost contingency in the amount of $18,630,619, for a total cost contingency of $43,086,841, and an increase to the existing contract duration contingency in the amount of 75 consecutive calendar days (approximately two and one half months), for a total duration contingency of 278 consecutive calendar days (approximately nine months); and authorize the General Manager to execute Modification No. 2 and to consider, and if appropriate, to approve, any future modifications to the contract amount for up to a total of $335,267,025, and to the contract duration for up to a total of 2,936 consecutive calendar days (approximately eight years). (How)

180208

14. Public Hearing: Discussion and possible action to approve a **revised schedule of rates and charges for the San Francisco Public Utilities Commission Power Enterprise CleanPowerSF program service** in San Francisco to take effect on or after February 1, 2019 that would: (1) set CleanPowerSF generation rates at or below comparable PG&E generation rates expected to be in effect on January 1, 2019, and (2) apply a new volumetric credit (cents per kilowatt-hour) equal to the net increase to each customer class's PG&E Power Charge Indifference Adjustment expected to be in effect as of January 1, 2019; and authorize the General Manager to adjust the rates once PG&E's final rates are published, as long as the rate adjustment ensures that program costs are recovered. This action constitutes the Approval Action for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Hale)

180209

15. Approve two **renewable energy contracts** for CleanPowerSF between the San Francisco Public Utilities Commission and Southern California Edison Company, with a combined term of two years and total costs of approximately $27.5 million; and authorize the General Manager to seek approval from the Board of Supervisors for the 2019 contract. (Hale)

180210

16. Authorize the General Manager to seek Commission approval and execute a **Master License Agreement** (MLA) with the San Francisco Unified School District (SFUSD). The MLA provides for Energy Efficiency Project Services at appropriate locations throughout SFUSD, in order to reduce energy usage and natural gas consumption as part of SFUSD's goal to eliminate greenhouse gas

180211

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

26. Other New Business (discussion only)

27. Adjournment

San Francisco Water
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

CANCELLATION NOTICE

The regular meeting of the
San Francisco Public Utilities Commission
Tuesday, December 25, 2018
1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

HAS BEEN CANCELLED

Commissioners
Vince Courtney President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

Minutes
Tuesday, December 11, 2018
1:30 P.M.
(Approved January 22, 2019)

1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

Commissioners
Vince Courtney, President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

1. Call to Order
   President Courtney called the meeting to order at 1:30 PM.

2. Roll Call
   Present: Courtney, Caen, Vietor, Moran and Kwon

3. Approval of the Minutes of November 13, 2018
   On Motion to approve the Minutes of November 13, 2018:
   Aye: Courtney, Caen, Vietor, Moran and Kwon

   No public comment.

4. General Public Comment
   - *Peter Drekmeier, Tuolumne River Trust, discussed the Adaptive Management Plan for O'Shaughnessy Dam and a 1992 study conducted by the U.S. Department of Fish and Wildlife. He noted obligations outlined in the study and indicated action needs to be taken.*
   - *Francisco DaCosta discussed the distribution of community benefits in the Bayview. He expressed frustration with the use of fresh water for construction and flushing toilets.*

5. Communications
   a) Advance Calendar
   b) Correspondence Log
   c) Contract Advertisement Report
   d) Annual Real Estate Update
   e) Annual Report on Net Energy Metering and Shared Renewable Energy
   f) Annual Water Resources Division Report
   g) Annual Water Supply Development Report
      Commissioner Moran stated the report was done without specific reference to increased fishery obligations that the SFPUC will be taking on. He asked that the next report reflect both the State Board and voluntary proposals.
   h) Declaration of Emergency: Repair Oceanside Treatment Plant Ventilation Ducts
   i) Risk Management Annual Report
   j) Water Conservation Services for Non-Residential Sector
   k) Water Supply Conditions Update

      No public comment.

6. Other Commission Business
   President Courtney requested, as routine, information be provided regarding activities related to workforce development (legislation, training, Bayworks, etc.) to ensure transparency. He requested that the General Manager notify him and any other interested Commissioner of any meetings taking place in connection with workforce development and Bayworks and of any decisions being made.

   General Manager (GM) Kelly, Jr. noted that the SFPUC does not run Bayworks, but that information as per the President's request will be provided. President

Courtney stated he wants to make sure that the Commission isn't "blind-sided" by conversations that are taking place.

President Courtney requested that the Commission Secretary be notified of any meetings regarding workforce, so she can calendar for the President.

No public comment.

7. Report of the General Manager (GM)
   a) San Francisco Department of Human Resources (DHR) Presentation: ApprenticeshipSF

   Margo Reed, DHR ApprenticeshipSF Project Manager, provided the Commission with an update regarding the ApprenticeshipSF Project: (1) Introduction: Employment opportunity, workforce planning for stable pipeline of skilled workers; (2) Effective Apprenticeship Programs: State Division of Apprenticeship Standards approval, and enforceable City agreements; (3) Requirements; (4) Centralized Program: Charter requirements; one employer; and labor negotiations; (5) DHR Project Manager: liaison with DAS; and coordination with DHR and SFPUC; (6) Apprenticeship Programs: those that are existing and are in-development.

   President Courtney thanked Ms. Reed for her presentation and noted that it is important to remember the "institutional knowledge cliff" and that workforce development needs to be centralized and localized.

   Public Comment
   - *Francisco DaCosta discussed his model for the contracting center, his institutional experience and knowledge, and he referenced SFPUC employee departures. He discussed the need for coordination between the SFPUC and DHR. He requested a presentation on the digesters.*

   b) San Francisco Public Utilities Commission Engagement Survey Results

   Justine Hinderlitner, Interim Director, Human Resource Services, reviewed results from the recent SFPUC Engagement Survey. She reviewed how engagement is measured (outcomes and drivers) and discussed the following: (1) Results overview: 63% response rate with a 60% average favorable rating; (2) Engagement profile: SFPUC and benchmarked (SFPUC, public sector, public utilities, and all utilities); (3) Results highlight: Top three areas and those areas that need improvement.

   President Courtney departed the room at 2:00 PM.

   Ms. Hinderliter continued: (4) Areas of focus: Communication, recognition, and SFPUC actions; (5) Number of commitments over time (engagement and completed); (6) Commitments; (7) Social Recognition Platform; and (7) Next steps.
   Ms. Hinderlitner responded to a question from Commissioner Kwon as to whether results are being tied to individual performance management.

President Courtney returned to the meeting at 2:09 PM.

Ms. Hinderlitner responded to a question from Commissioner Moran as to how employees will be recognized (immediate recognition/job promotion) and if employees felt those recognitions are made on a fair basis and determined on level of contribution. Brief discussion ensued.

Public Comment

- *Peter Alexander stated the public has been disregarded. He discussed the abuse of PG&E workers, smart meters, and PG&E workers unions.*

Commissioner Moran noted the SFUPC has no jurisdiction over PG&E.

- *Francisco DaCosta provided comment on the survey results and the need to think outside of the box. He expressed frustration with the use of fresh water for construction and flushing toilets.*

c) Bay Delta Water Quality Control Plan Update

Steve Ritchie, Assistant General Manager (AGM) Water, provided the update: (1) Latest developments; (2) New actions for the SFPUC (water supplies to develop now); (3) Potential Project timeline; and (4) Conclusions

Commissioner Vietor read the following statement:

"The Vote is scheduled tomorrow by the State Board on Phase 1 of the Bay Delta Plan. As far as this Commission knows, the State and SFPUC have not yet agreed on a flow regime for the fish though appreciate that the agencies have been working hard these past months to find agreement.

We have not yet seen a voluntary Settlement Agreement (VSA), which we had hoped would be concluded and agreed upon before tomorrow's vote but are unfortunately unable to do so. In the absence of a VSA, final order or possible litigation, it is important that we as the SFPUC do the right thing for the fish, while ensuring we can maintain water reliability for our customers.

I understand that East Bay MUD has seen remarkable results on the Mokelumne River with close to 20,000 salmon returning last year, the highest numbers since 1940, because of their successful flow regime. I also understand the SFPUC believes that their flow regime will provide the better outcomes for the fish than the 40% regime that the state is proposing. So regardless of what action is taken, we should begin to implement our regime, to indeed show that it will work with all due haste and for the sake of the fish.

I want to hear from staff how and when we can begin work on the river, as quickly as possible and would like a resolution prepared for us to consider at January's meeting regarding implementation plans that commit to:

1. *Implementation of PUC's regime plan as soon as possible and bring to this Commission the start date, timeline, and next steps no later than*

February 2019. I understand that we need to engage the irrigation districts but assuming that will be okay because they were part of the development of the regime model.

2. *Need to understand the specific outcomes for the fish along with a plan for adaptive management course correction in the event fish numbers continue to plummet during implementation or anticipated benefits are not realized, including monitoring results, numbers and progress at regular intervals, and no less than twice a year.*
3. *Need to accelerate and implement the diversification of our water supply as quickly as possible, with a specific plan with timeline, costs, possible sources of payment. Should include but not be limited to: interruptible customers, pros and cons of raising of dams or accessing additional storage, recycled water, direct potable reuse, etc.*
4. *Better understand the plan and receive something via resolution on how to best engage and help all stakeholders understand the PUC's proposed regime/VSA before adoption of either. Conduct peer review of plan in first quarter of year through Delta Science process or other neutral party. Develop communications plan for broader public to understand the ultimate flow regime".*

Commissioner Moran expressed appreciation for Commissioner Vietor's comments. He emphasized three items: early implementation, commitment to outcomes, and whatever level of fishery obligation is assumed will mandate development of "net water" (conservation and water development/ reclamation) and stated that space is needed between yield and demand for appropriate response.

Public Comment

- *Norma Wallace expressed support for the Bay Delta Plan. She discussed her family background and values of saving, not wasting, and the importance of water.*
- *Gloria Purcell, Tuolumne River Trust, asked that the Commission pay attention to the needs of the earth and not just people.*
- *Gail Sredanovic expressed support for the Bay Delta Plan.*
- *Dave Warner discussed his letter to the Commission regarding Mr. Michael Carlin's testimony before the Board of Supervisors Land Use Committee and the SFPUC response to his letter. He expressed support for the comments of Commissioners Vietor and Moran.*
- *Cindy Charles, Golden West Women Flyfishers, discussed her experiences witnessing spawning salmon. She discussed the SFPUC's position and its effect on salmon and encouraged the Commission to do the right thing.*
- *Ben Eichenberg, San Francisco Baykeeper, expressed support for the Bay Delta Plan and discussed impacts of failure to do so.*
- *Barry Nelson, Golden Gate Salmon Association, discussed the State Board Standards. He discussed letter the NGO's sent to the Governor and distributed a copy of that letter to the Commission. He presented five issues to keep in mind.*

- *Noah Oppeheim, Pacific Coast Flyfishermans' Association, discussed the Bay Delta Plan and the public process. He encouraged the Commission avoid a recommendation of delay. He discussed adaptive management and the voluntary settlement agreement.*
- *Sonia Diermayer, Sierra Club, echoed the sentiments of previous speakers. She expressed support for the comments of Commissioners Vietor and Moran. She encouraged the Commission to support the Bay Delta Plan and to not file a lawsuit.*
- *Chris Gilbert, Sierra Club, asked that the Commission not support delays nor file lawsuit. He posed several questions for the Commission to consider. He distributed a paper of Strategy and Priority Initatives.*
- *Elizabeth Dougherty, Wholly H20, encouraged the Commission to consider the entire watershed ecosystem, and not just water. She encouraged the Commission to accept the State Board proposal.*
- *Regina Chichizola, Save California Salmon, requested that the Commission support the Bay Delta Plan, save the salmon, and support water supply throughout the state.*
- *Malcom asked the Commission to save the salmon.*
- *Morning Star Gali stated the City is choosing a path of destruction for water and fish. She discussed effect the reduction of the fish population and the resulting health effects on her culture. She asked that the Commission support the Bay Delta Plan.*
- *Peter Alexander provided thoughts on a variety of topics.*
- *John McManus, Golden Gate Salmon Association, asked that the SFPUC not be party of any lawsuits if the Bay Delta Plan is adopted. He discussed scientific findings and the need for additional flow.*
- *Peter Drekmeier, Tuolumne River Trust, thanked Commissioners Vietor and Moran for their comments. He discussed past collaborative efforts. He commended Steve Ritchie's desire to bring groups together to think about how to develop and prioritization of water. He discussed the Dos Rios purchase and a petition to dedicate water rights. He asked the PUC to support the Bay Delta Plan, avoid delays, and not file lawsuit.*
- *Orion Comero displayed his art of a watershed. He discussed meeting accessibility. He stated the Commission needs to lead the way in global innovation. He discussed the SFPUC Environmental Justice Policy and impacts of decisions made.*

President Courtney asked Mr. Comero for clarification for his comments regarding meeting accessibility.

- *Francisco DaCosta inquired who speaks for the salmon. He discussed adverse impacts on salmon and their need for clean water.*
- *Jackie Faun asked for continued water flow for the fish and future generations. She discussed the importance of salmon to her culture.*
- *Mahlija Florendo expressed support for the Bay Delta Plan. She discussed her experience living on a river and the reduction of the salmon population. She discussed the high suicide rates in her area she indicated are due to salmon genocide.*

- *Lawrence Damos spoke to the need for a healthy Delta. He stated the Bay Delta Plan has a good solution to maintain a healthy ecosystem.*

Commissioner Moran thanked the speakers. He expressed frustration with not having text of the voluntary settlement agreement. He reiterated the three points made prior to public comment. He discussed his lengthy history dealing with water issues and resulting outcomes. He expressed hope for a solution to produce water in a timely basis and expressed support for early implementation and outcomes.

Commissioner Vietor thanked the speakers for their attendance and comments. She concurred with Commissioner Moran's three main points, and added a fourth of stakeholder engagement, peer review, and agreement implications.

President Courtney thanked the public for their comments. He concurred with the comments of Commissioners Vietor and Moran.

d) Hetch Hetchy Capital Improvement Program (CIP) Quarterly Report
Dan Wade, Director, Water Capital Projects and Programs, provided the update: (1) Highlights of reporting period; (2) Warnerville Substation rehabilitation; (3) March 2018 Storm Event emergency repairs and interim upgrades; (4) Differing site conditions: scour hole at toe of diversion dam; (5) New catwalk to intake tower; (6) New box culvert in road embankment near Priest Dam; and (7) Moccasin Dam Reservoir next steps.

No public comment.

e) Wastewater Enterprise (WWE) CIP Quarterly Report
Howard Fung, Senior Project Manager/acting Program Director, provided the report and reviewed projects that exceed baseline budget thresholds.

No public comment

f) Water Enterprise CIP Quarterly Report
Dan Wade provided the update: (1) Highlights of reporting period; (2) Sunol long-term improvements; (3) San Francisco Westside Recycled Water; (4) Watershed and Environmental Program – Sunol Nursery; (5) Sunol Nursery volunteers; and (6) Local water projects – Van Ness Improvement Project.

No public comment.

g) Report on Recent SFPUC Activities, Events and Announcements
None.

8. Sewer System Improvement Program Quarterly Update
Howard Fung presented the update: (1) Program Status (26.4% of Phase I Projects complete); (2) Biosolids Digester Facilities Project; (3) Southeast Plant (SEP) New Headworks Facility Project; (4) Current construction at SEP; (5)

Collection System and Stormwater Management; (6) Other program updates; (7) Oceanside Plant condition assessment improvements; (8) Large sewer condition assessment improvements; (9) Lower Alemany Area Stormwater Improvement Project;

Mr. Fung and GM Kelly, Jr. responded to a question from Commissioner Vietor regarding the possibility of a Green Infrastructure project in Lower Alemany.

Mr. Fung continued his update with a summary of project priorities.

Public Comment

- *Spreck Rosekrans, Restore Hetch Hetchy, discussed his tour of a San Diego Pure Water San Diego demonstration plant that recycles wastewater and encouraged the SFPUC to investigate.*

9. Bay Area Water Supply and Conservation Agency (BAWSCA) Update
Nicole Sandkulla, BAWSCA CEO, began her update with a review of the FY 2017-18 BAWSCA agency water supply sources. She indicated that during the past 10 years, total water use is down by 21%, San Francisco regional water supply purchases are down 24%, and recycled water use is up 29%. She provided supply examples from the City of Redwood City, Alameda County Water District, and the City of Santa Clara. She indicated BAWSCA's 2017-18 Annual Survey will be available in February.

Ms. Sandkulla responded to a question from Vice President (VP) Caen as whether the 10-year comparison included increased population.

Public Comment

- *Spreck Rosekrans commended BAWSCA on their Annual Report and suggested that they make tables spreadsheet readable.*

10. *Consent Calendar:*
    a) Approve Amendment No. 3 to Agreement No. CS-203.A, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Resolution 18-0192)

    b) Approve Amendment No. 4 to Agreement No. CS-203.B, Wastewater and Stormwater Technical Services, with Brown & Caldwell - SRT, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager of the to execute this amendment. (Resolution 18-0193)

c) Approve Amendment No. 3 to Agreement No. CS-203.D, Wastewater and Stormwater Technical Services, with Kennedy/Jenks Consultants-WRE, Joint Venture, extending the duration by 10 months for a total agreement duration of seven years, with no change to the contract amount, to continue to provide as-needed specialized and technical services and complete existing projects for the Wastewater Enterprise; and authorize the General Manager to execute this amendment. (Resolution 18-0194)

d) Accept work performed by Robert E. Boyer Construction, Inc., for Contract No. HH-982, Moccasin Facilities Upgrade – Moccasin Shops/Office Building and Materials Bins; approve Modification No. 15 (Final) increasing the contract amount by $2,185 and extending the contract duration by 99 consecutive calendar days, for a total final contract amount of $9,722,344 and a total contract duration of 686 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0195)

e) Accept work performed by Anvil Builders, Inc., for Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation; approve Modification No. 7 (Final), increasing the contract amount by $236,366 and increasing the contract duration by 91 days, for a total contract amount of $6,929,777 and total contract duration of 757 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0196)

f) Approve Modification No. 1 to Job Order Contract, JOC-56, Micro-LBE, HVAC Energy Efficiency (C-20 License), for San Francisco, San Mateo, Alameda Counties with G.Y. Engineering Company, Inc., extending the term by three years for a total contract duration of five years, with no new task orders issued after four years from the Contract certification date as allowed under the San Francisco Administrative Code Chapter 6.62, and with no change in contract amount. (Resolution 18-0197)

g) Approve the selection of AECOM/Lotus, Joint Venture (JV) (AECOM), Brown and Caldwell/SRT, JV (Brown and Caldwell), Hazen and Sawyer/Avila and Assoc., JV (Hazen and Sawyer), and Woodard & Curran, Inc./Hydroconsult Engineers, Inc., JV (Woodard & Curran); and award Agreement Nos. PRO.0054.A-D, As-Needed Wastewater and Stormwater Services, to provide as-needed wastewater and stormwater services; and authorize the General Manager to negotiate and execute four professional services agreements with AECOM (PRO.0054.A), Brown and Caldwell (PRO.0054.B), Hazen and Sawyer (PRO.0054.C) and Woodard & Curran (PRO.0054.D), each for an amount not-to-exceed $5,000,000, and each with a duration of five years. (Resolution 18-0198)

h) Award Agreements Nos. PRO.0097.A-C, Hetchy Capital Improvement Projects (HCIP) As-Needed Construction Management Services; approve the selection of AECOM-EMS Joint Venture (JV) (PRO.0097.A), Mott MacDonald/Dabri, Inc. JV (PRO.0097.B), and Avila and Associates Consulting Engineers, Inc. (PRO.0097.C), to provide construction management services to support HCIP on an as-needed basis; and authorize the General Manager to negotiate and execute three professional

services agreements (PRO.0097.A, PRO.0097.B, PRO.0097C), each for an amount not-to-exceed $4,000,000 and each with a duration of five years. (Resolution 18-0199)

i) Approve the selection of Enterprise Solutions Consulting LLC; award Agreement No. PRO.0113, San Francisco Public Utilities Commission Hetch Hetchy Power Electric Billing System Replacement Project, for the procurement and implementation of a fully hosted and managed electric billing system for the SFPUC Power Enterprise; and authorize the General Manager to negotiate and execute a professional services agreement with Enterprise Solutions Consulting for a total amount not-to-exceed $4,374,527 and a contract duration of up to seven years. (Resolution 18-0200)

j) Approve an increase in the amount of $112,250 to the construction contract cost contingency, and an increase of 131 consecutive calendar days to the duration contingency for Contract No. WD-2850(I), Crystal Springs/San Andreas Pipeline Erosion Repair at OW-13 and OW-18; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $527,500 and a total revised contract duration of up to 230 consecutive calendar days. (Resolution 18-0201)

k) Approve an increase in the amount of $500,000 to the construction contract cost contingency, and an increase of 220 consecutive calendar days to the contract duration contingency for Contract No. WW-613, Southeast Water Pollution Control Plant Building 521/522 and Disinfection Upgrades; and authorize the General Manager to approve future modifications to the contract for a total revised contract amount of up to $30,122,166, and a total revised contract duration of up to 1,309 consecutive calendar days. (Resolution 18-0202)

l) Accept work performed by Ranger Pipelines, Inc., for Contract No. WW-638, Griffith Yard Improvements; approve Modification No. 4 (Final), increasing the contract amount by $891,167 for a total contract amount of $14,123,417, and extending the contract duration by 184 consecutive calendar days, for a total contract duration of 789 consecutive calendar days; and authorize final payment to the contractor. (Resolution 18-0203)

m) Accept work performed by Precision Engineering, Inc., for Contract No. WW-650, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement; approve Modification No. 2 (Final), decreasing the contract amount by $274,716, and extending the contract duration by 315 consecutive calendar days, for a total contract amount of $2,927,434 and a total contract duration of 495 consecutive calendar days ; and authorize final payment to the contractor. (Resolution 18-0204)

n) Approve the terms and conditions of, and retroactively ratify the General Manager's execution of, a Memorandum of Understanding with the San Francisco Police Department (SFPD) to allow for SFPD's continued use of the premises at 700 John Muir Drive in San Francisco as an existing firing

range, personnel and police dog training facility, and parking, with no use fee. (Resolution 18-0205)

o) Approve the terms and conditions and authorize the General Manager to execute a no-fee, five-year revocable license, to the Friends of the Urban Forest for use of approximately 2,500 square feet of Parcel One of Block 3088, Lot 018 in San Francisco, California for storage of up to 240, 15-gallon tree seedlings in movable container boxes. This action constitutes the Approval Action for the project for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code.

President Courtney requested that item 10o be removed from calendar.

On Motion to approve Consent Calendar items 10a through 10n:
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment on items 10a through 10n.

Tony Bardo, SFPUC Real Estate Division, reviewed item 10o noting the space will be used for the storage of trees for the Friends of the Urban Forest. He outlined benefits the SFPUC.

President Courtney noted his concerns with the item and the subsidization of private organizations. He requested information on the number of employees, classifications, wage rates, health care arrangements, location, complaints files, etc., and asked that the item be rescheduled. Discussion ensued on the role of the Friends of the Urban Forest, their services, and potential service benefits.

On Motion to continue item 10o:
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

11. Approve Amendment No. 3 to Agreement No. CS-200, Right-of-Way Services with Associated Right of Way Services, Inc.; and authorize the General Manager to negotiate and execute Amendment No. 3, to expand the scope of right-of-way services beyond Sewer System Improvement Program and Water System Improvement Program projects to include other San Francisco Public Utilities Commission projects and third-party uses of the SFPUC-owned right-of-way, with no change to the agreement amount or duration. (Resolution 18-0206)

On Motion to approve item 11:
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

12. Approve the plans and specifications, and award Contract No. HH-995, Hetch Hetchy & Cherry Lake Road Guardrail Improvement Project, in the amount of

$1,887,735, with a duration of 394 consecutive calendar days, to the sole, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc., as permitted under San Francisco Administrative Code Section 6.23(c)(3), to install guardrails along Cherry Lake Road and Hetch Hetchy Road in Tuolumne County. This action constitutes the Approval Action for the project for the purposes of California Environmental Quality Act, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0207)

On Motion to approve item 12:
Aye: Courtney, Caen, Vietor, Moran and Kwon

No public comment.

13. Approve Modification No. 2 for Contract No. WW-628 SEP New Headworks Facility Project, a Construction Manager/General Contractor agreement, with Sundt-Walsh Joint Venture (JV), in the amount of $36,017,960, for a total contract amount of $292,180,184; approve an increase to the existing construction contract cost contingency in the amount of $18,630,619, for a total cost contingency of $43,086,841, and an increase to the existing contract duration contingency in the amount of 75 consecutive calendar days, for a total duration contingency of 278 consecutive calendar days; and authorize the General Manager to execute Modification No. 2 and to consider, and if appropriate, to approve, any future modifications to the contract amount for up to a total of $335,267,025, and to the contract duration for up to a total of 2,936 consecutive calendar days. (Resolution 18-0208)

GM Kelly, Jr. responded to a question from President Courtney as to whether a workforce or training facility exists with respect to the project.

Mr. Fung and GM Kelly, Jr. responded to a question from VP Caen regarding the original budget amount, modifications, and asked how the contingency amount was calculated.

Commissioner Moran departed the room at 4:34 PM and returned at 4:38 PM.

On Motion to approve item 13:
Aye: Courtney, Caen, Vietor, and Kwon

No public comment.

14. Public Hearing: Discussion and possible action to approve a revised schedule of rates and charges for the San Francisco Public Utilities Commission Power Enterprise CleanPowerSF (CPSF) program service in San Francisco to take effect on or after February 1, 2019 that would: (1) set CleanPowerSF generation rates at or below comparable PG&E generation rates expected to be in effect on January 1, 2019, and (2) apply a new volumetric credit (cents per kilowatt-hour) equal to the net increase to each customer class's PG&E Power Charge Indifference Adjustment expected to be in effect as of January 1, 2019; and authorize the General Manager to adjust the rates once PG&E's final rates are

published, as long as the rate adjustment ensures that program costs are recovered. This action constitutes the Approval Action for the purposes of CEQA, pursuant to Section 31.04(h) of the San Francisco Administrative Code. (Resolution 18-0209)

Mike Hyams, CPSF Director, began the presentation: (1) Review of action requested; (2) Growth Plan Status: 30% of citywide accounts enrolled, and plan for completing citywide enrollment; (3) CPSF Phasing Policy; (4) Rate Setting Policies; (5) Upcoming PG&E Rate Changes; (6) PG&E PCIA: expected to increase for commercial customers on January 1, 2019; (7) PG&E Generation Rate: expected to decrease on January 1, 2019; and (8) Review of average residential, small commercial, and large commercial generation cost comparisons (before SFPUC rate action).

Charles Perl, Deputy CFO, continued with review of the rate proposal: (1) Proposed changes to CPSF FY 2018-19 rates: Green rates, credit to off-set PCIA increase, authorize GM to finalize rates, and no change to SuperGreen rate premiums; (2) Average residential, small commercial, and large commercial generation cost comparisons (after SFPUC rate action); (3) Financial impact of action (if approved); and (4) FYE 19 financial projection.

Mr. Hyams continued with a presentation of the following: (1) Risk Management Approach: Program risk areas (supply, customer service, operational, financial and regulatory); (2) Selected risks and mitigations: high opt-out, non-by-passable charges/PCIA and unfavorable PG&E rate, and challenges to local authority and new regulations increasing costs; and (3) Next steps and schedule.

Commissioner Vietor emphasized the importance of communication with customers.

Commissioner Kwon was excused from the meeting at 5:00 PM.

On Motion to approve item 14:
Aye: Courtney, Caen, Vietor, and Moran

No public comment.

15. Approve two renewable energy contracts for CleanPowerSF between the San Francisco Public Utilities Commission and Southern California Edison Company, with a combined term of two years and total costs of approximately $27.5 million; and authorize the General Manager to seek approval from the Board of Supervisors for the 2019 contract. (Resolution 18-0210)

On Motion to approve item 15:
Aye: Courtney, Caen, Vietor, and Moran

No public comment.

16. Authorize the General Manager to seek Commission approval and execute a Master License Agreement (MLA) with the San Francisco Unified School District (SFUSD). The MLA provides for Energy Efficiency Project Services at appropriate locations throughout SFUSD, in order to reduce energy usage and natural gas consumption as part of SFUSD's goal to eliminate greenhouse gas emissions by 2040, per SFUSD Resolution No. 176-27A1, In Support of Carbon Neutral Schools. This MLA sets forth the terms and conditions under which SFUSD will allow the SFPUC to use certain SFUSD Sites to provide Energy Efficiency Project Services. (Resolution 18-0211)

On Motion to approve item 16:
Aye: Courtney, Caen, Vietor, and Moran

No public comment.

Commissioner Moran applauded the collaborative efforts on the Water Supply Agreement (WSA).

17. Authorize the General Manager to execute, on behalf of the City and County of San Francisco, amendments to the 2009 Water Supply Agreement with the San Francisco Public Utilities Commission's wholesale water customers; and approve new service area maps attached to the Individual Water Sales Contracts of the cities of San Jose and Santa Clara. (Resolution 18-0212)

AGM Ritchie began his presentation with a review of the background of the 2009 WSA and continued with a review of the following: (1) 2018 Decisions; (2) Water System Improvement Program (WSIP) completion reference; (3) Tier One Shortage Allocation Plan; (4) Westside Basin Conjunctive Use Program; (5) Asset classification; (6) Wholesale Capital Fund; and (7) Capital Improvement Program.

Commissioner Vietor was excused from the meeting at 5:04 PM.

On Motion to approve item 17:
Aye: Courtney, Caen, and Moran

Public Comment

- *Nancy Wuerfel provided comments on section 3.11 of the WSA pertaining to the system-wide shortages and the SFPUC's response to regional emergencies. She indicated there are three conflicts of interest for the use of water in the Sunset Reservoir. She requested an agenda item to discussed who will get Sunset Reservoir water in the event of an emergency. She distributed a copy of the California Water Code.*
- *Nicole Sandkulla, BAWSCA, expressed support for the item, noted the collaborative process. She requested Commission approval.*

The Commission Secretary read items 18 and 19 together.

18. Discussion and possible action to approve the 2018 Proposed Baseline scope, schedule and budget for individual projects over $5 million that are currently active or planned to be active within FY2018-2019 or FY 2019-2020, that are part of the Water Enterprise Capital Improvement Program (WECIP), a sub-set of projects within the adopted San Francisco Public Utilities Commission 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Water Enterprise. (Resolution 18-0213)

19. Discussion and possible action to approve the 2018 Proposed Baseline scope, schedule and budget for individual projects over $5 million that are currently active or intended to be active during FY2018-2019 or FY2019-2020 that are part of the Hetch Hetchy Capital Improvement Programs (HCIP), a sub-set of projects within the adopted San Francisco Public Utilities Commission 10-Year Capital Plan for FY 2018-2019 through FY 2027-28 for the Hetch Hetchy Water and Power Enterprise. (Resolution 18-0214)

Motion to approve items 18:
Aye: Courtney, Caen, and Moran

Motion to approve items 19:
Aye: Courtney, Caen, and Moran

Public Comment on items 18 and 19

- *Nancy Wuerfel requested that the Commission not approve item 18, including the Westside Potable AWSS, which she indicates has no funding and relies on the passage of a General Obligation (G.O.) Bond in 2020. She discussed three counts as to why the project is wrong. She stated the project should be deleted from the WECIP. She distributed G.O. Bond information.*
- *Eileen Boken concurred with comments made by Ms. Wuerfel and expressed opposition with the Westside Sunset Pipeline Project and the resolution provision to allow the GM to proceed without coming back to the Commission.*
- *Thomas Doudiet, retired San Francisco Fire Department, concurred with comments made by Ms. Wuerfel that the WECIP baseline should not be approved unless the Westside Sunset Pipeline Project is removed. He discussed his concerns with the Project.*

Mr. Dan Wade responded to a question from Commissioner Moran regarding projects in the CIP and approval processes going forward.

20. Declare surplus public utility easements encumbering San Francisco Block 8709, Lots 018, 019, 021, and 022; approve the terms and conditions of, and authorize the General Manager to execute, four Easement Quitclaim Deeds transferring the San Francisco Public Utilities Commission's interests in the Easements to ARE-San Francisco No. 15, LLC, ARE-San Francisco No. 36, LLC, and Mission Bay Commercial Maintenance Corporation. (Resolution 18-0215)

On Motion to approve item 20:
Aye: Courtney, Caen, and Moran

No public comment.

The Commission Secretary read the Closed Session item.

21. Public Comment on matters to be addressed during Closed Session
None.

22. Motion on whether to assert the attorney-client privilege regarding the matters listed below as Conference with Legal Counsel

On Motion to assert attorney-client privilege.
Aye: Courtney, Caen, and Moran

The Commission entered Closed Session at 5:20 PM.

23. Conference with Legal Counsel - Pursuant to California Government Code Section 54956.9 (d) (2) and San Francisco Administrative Code Section 67.10 (d) (2
Anticipated Litigation as Plaintiff

The Commission exited Closed Session at 5:29 PM.

24. Announcement Following Closed Session
None.

25. Motion regarding whether to disclose the discussions during Closed Session pursuant to San Francisco Administrative Code Section 67.12 (a)

On Motion not to disclose the discussions during Closed Session.
Aye: Courtney, Caen, and Moran

26. Other New Business
President Courtney announced that the meetings of December 25 and January 8th are cancelled.
27. Adjournment
President Courtney adjourned the meeting at 5:32 PM.

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0192**

WHEREAS, On November 13, 2012, by Resolution No. 12-0209, this Commission awarded Agreement No. CS-203A, Wastewater and Stormwater Technical Services in order , to provide as-needed specialized and technical services for the Wastewater Enterprise (WWE), and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement in the amount of $4,000,000 with a term of five years, with CH2M Hill and Avila Associates, Joint Venture; and

WHEREAS, On April 18, 2016, SFPUC staff issued Amendment No. 1 to extend the term of the agreement by three months, for a total duration of five years, two months to account for delays in contract certification; and

WHEREAS, On January 9, 2018, by Resolution No. No.18-0001, this Commision approved Amendment No. 2 to increase the agreement amount by $1,000,000 for a total not-to-exceed agreement amount of $5,000,000 and extend the termby one year, for a total agreement duration of six years and two months, in order to continue to provide as-needed specialized and technical services for the WWE; and

WHEREAS, Amendment No. 3 is now requested to extend the term of the agreement by ten months, for a total agreement duration of seven years, to allow the contractor to continue to provide as-needed specialized and technical services and complete existing projects for the WWE in accordance with the Request for Proposals, which provided for a total term of up to nine years; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement and CH2M Hill and Avila Associates, Joint Venture committed to an LBE subconsultant participation rate of 15%; and

WHEREAS, Funds for this agreement are available from the SFPUC WWE's annual operating and capital budgets, now therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 3 to Agreement No. CS-203.A, Wastewater and Stormwater Technical Services, with CH2M Hill and Avila Associates, Joint Venture, and authorizes the General Manager of the SFPUC to negotiate and execute this amendment in with a time extension of 10 months, for a total agreement duration of seven years, and no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Please Read

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0193**

WHEREAS, On November 13, 2012, by Resolution No. 12-0209, this Commission awarded Agreement No. CS-203.B, Wastewater and Stormwater Technical Services, in order to provide as-needed specialized and technical services for the Wastewater Enterprise (WWE), and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement in the amount of $4,000,000 with a term of five years, with Brown & Caldwell - SRT, Joint Venture; and

WHEREAS, On April 18, 2016, SFPUC staff issued Amendment No. 1 to extend the term of the agreement by three months, for a total duration of five years, two months to account for delays in contract certification; and

WHEREAS, On December 13, 2016, by Resolution No. 16-0239, this Commission approved Amendment No. 2 to increase the contract amount by $1,000,000 for a total not-to-exceed agreement amount of $5,000,000 in order to continue provide as-needed specialized and technical services for the WWE; and

WHEREAS, On December 12, 2017, by Resolution No. 17-0236, this Commission approved Amendment No. 3 extending the duration by one year, for a total agreement duration of six years and two months; and

WHEREAS, Amendment No. 4 is now requested to extend the term of the agreement by ten months, for a total agreement duration of seven years, to allow the contractor to continue to provide as-needed specialized and technical services and to complete existing projects for the WWE in accordance with the Request for Proposals, which provided for a total term of up to nine years; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement and Brown & Caldwell - SRT, Joint Venture committed to an LBE subconsultant participation rate of 15%; and

WHEREAS, Funds for this agreement are available from the SFPUC WWE's annual operating and capital budgets; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 4 to Agreement No. CS-203.B, Wastewater and Stormwater Technical Services, and authorizes the General Manager of the SFPUC to negotiate and execute this amendment to extend the agreement by 10 months, for a total agreement duration of 7 years, with no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Please read

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0194**

WHEREAS, On November 13, 2012, by Resolution No. 12-0209, this Commission awarded Agreement No. CS-203.D, Wastewater and Stormwater Technical Services, in order to provide as-needed specialized and technical services for the Wastewater Enterprise (WWE), and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement in the amount of $4,000,000 with a term of five years, with Kennedy/Jenks Consultants-WRE, Joint Venture; and

WHEREAS, On April 18, 2016, SFPUC staff issued Amendment No. 1 to increase the agreement by $209,475, for a total not-to-exceed amount of $4,209,475, and to extend the term of the agreement by three months, for a total duration of five years, two months to account for delays in contract certification; and

WHEREAS, On January 9, 2018, by Resolution No. 17-0237, this Commission approvd Amendment No. 2 to increase the agreement by $790,525, for a total not-to-exceed amount of $5,000,000, and extend the term by one year, for a total agreement duration of six years and two months, in order to continue to provide as-needed specialized and technical services for the WWE; and

WHEREAS, Amendment No. 3 is now requested to extend the term of the agreement by ten months, for a total agreement duration of seven years, to allow the contractor to continue to provide as-needed specialized and technical services and to complete existing projects for the WWE in accordance with the Request for Proposals, which provided for a total term of up to nine years; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 15% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement and Kennedy/Jenks Consultants-WRE, Joint Venture committed to an LBE subconsultant participation rate of 15%; and

WHEREAS, Funds for this agreement are available from the SFPUC WWE annual operating and capital budgets, now therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 3 to Agreement No. CS-203.D, Wastewater and Stormwater Technical Services, and authorizes the General Manager of the SFPUC to negotiate and execute this amendment with a time extension of 10 months, for a total agreement duration of seven years, with no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Stout

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO. **18-0195**

WHEREAS, On April 26, 2016, by Resolution No. 16-0066, this Commission approved the award of Hetch Hetchy Capital Improvement Projects (HCIP) funded Contract No. HH-982, Moccasin Shops/Office Building and Materials Bins, to Robert E. Boyer Construction, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was July 25, 2016; and

WHEREAS, The original contract amount was for $9,171,400, and the original contract duration was 540 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On February 13, 2018, by Resolution No. 18-0016, this Commission approved a 56-day increase to the existing 54-day contract duration contingency for a total duration contingency of 110 days and total contract duration of up to 650 consecutive calendar days, to address the modification of building work and perform the Leadership in Energy and Environmental Design (LEED) commissioning tests subject to the General Manager's subsequent authorization of modifications, as appropriate; and

WHEREAS, Modification No. 15 (Final) is requested for a cost increase of $2,185 and a time extension of 99 consecutive calendar days to cover modification of building work and the LEED commissioning tests, resulting in a total final contract amount of $9,722,344 and a total final contract duration of 686 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract and the contractor committed to a LBE participation of 31.194% with its bid submittal; CMD has determined the contractor substantially complied with the LBE subcontracting requirement by achieving a final LBE participation of 30.112%; and

WHEREAS, Funds are available from Project No. CUH-10214 Moccasin Shops/Office Building and Materials Bins; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Robert E. Boyer Construction Inc. for HCIP-funded Contract No. HH-982, Moccasin Shops/Office Building and Materials Bins, approves Modification No. 15 (Final), increasing the contract amount by $2,185 and extending the contract duration by 99 consecutive calendar days for a total contract amount of $9,722,344 and a total contract duration of 686 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0196**

WHEREAS, On March 8, 2016, by Resolution No. 16-0040, this Commission approved the award of Hetchy Capital Improvements Projects (HCIP) funded Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation, to Anvil Builders, Inc; and

WHEREAS, The construction contract Notice To Proceed date was set for June 22, 2016; and

WHEREAS, The original contract amount was for $3,063,400, and the original contract duration was 610 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or duration in excess of 10% of the original contract price or duration be approved by this Commission; and

WHEREAS, On June 13, 2017, per Resolution No. 17-0132, this Commission approved an increase in the construction contract cost contingency of $2,494,000 and an increase to the existing duration contingency of 32 consecutive calendar days, and authorized the General Manager to approve future modifications to the contract for a total revised contract amount of up to $5,863,740, and a total contract duration of up to 670 consecutive calendar days; and

WHEREAS, On January 9, 2018, per Resolution No.18-0002, this Commission approved the correction of incorrectly stated contract duration contingency, and approved an additional increase to the contract cost contingency in the amount of $1,600,000, and an increase to the contract duration contingency in the amount of 57 consecutive calendar days, for a total revised contract amount of up to $7,463,740, and a total revised contract duration of up to 760 consecutive calendar days; and

WHEREAS, Modification Nos. 1-6 were issued increasing the contract cost by $3,630,011 due to differing site conditions, for a total contract amount to $6,693,411, and increasing the contract duration by 56 consecutive calendar days for a total duration of 666 consecutive calendar days; and

WHEREAS, Modification No. 7 (Final) is requested for a contract cost increase of $236,366 and a contract duration extension of 91 consecutive calendar days for additional differing site conditions, resulting in a total final contract amount of $6,929,777 and a total final contract duration of 757 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 10% for this construction contract and the contractor committed to a LBE participation of 10.36% with its bid submittal; CMD has determined the contractor made a good faith effort to comply LBE subcontracting requirement by achieving a final LBE participation of 8.09%; and

WHEREAS, Funds are available from Project No. CUH102 Hetchy Water – Joint Project; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Anvil Builders, Inc. for HCIP-funded Contract No. HH-983, Cherry Dam Outlet Works Rehabilitation, approves Modification No. 7 (Final) for a cost increase of $236,366 and a duration extension of 91 consecutive calendar days, for a total contract cost of $6,929,777 and total contract duration of 757 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0197**

WHEREAS, On October 11, 2016, per Resolution No. 16-0213 this Commission approved the award of Job Order Contract (JOC) No. JOC-56, Micro-LBE, HVAC Energy Efficiency (C-20 License), San Francisco, San Mateo, and Alameda Counties to G.Y. Engineering Company, Inc.; and

WHEREAS, The Notice-to-Proceed date was set for January 11, 2017; and

WHEREAS, The original contract amount was for $1,000,000 and the original contract duration was two (2) years; and

WHEREAS, Modification No.1 is being requested to complete ongoing facility improvements such as roofing, carpentry, plumbing and electrical work for San Francisco Public Utilities Commission's (SFPUC's) Operations and Bureaus, increasing the contract duration by three (3) years for a total of five (5) years, with no new task orders issued after four (4) years from the Contract certification date, as allowed under the San Francisco Administrative Code Chapter 6.62, and with no change in contract amount; and

WHEREAS, Contract Monitoring Division (CMD) subcontracting goals do not apply to Micro-Local Business Enterprise (LBE) Set Aside Contracts; and

WHEREAS, Funds are available from San Francisco Public Utilities (SFPUC) Enterprise funds; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 1 for JOC No. 56, Micro-LBE, HVAC Energy Efficiency (C-20 License), San Francisco, San Mateo, and Alameda Counties, with G.Y. Engineering Company, Inc., extending the term by three) years for a total contract duration of five years, with no new task orders issued after four years from the contract certification date, as allowed under the San Francisco Administrative Code Chapter 6.62, and with no change in contract amount.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0198**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires the assistance of consultants possessing specialized scientific or other technical expertise to assist the SFPUC Wastewater Enterprise with as-needed wastewater and stormwater technical services; and

WHEREAS, It is necessary to procure the services of qualified consulting firms to supplement Wastewater Enterprise staff for the provision of specialized and technical support; and

WHEREAS, SFPUC advertised a Request for Proposals for as-needed wastewater and stormwater related technical services on July 31, 2018; and

WHEREAS, The estimated cost of services for each agreement is $5,000,000; and

WHEREAS, Services are anticipated to begin in March 2019 and end in February 2024, and the duration of each agreement is five years; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the proposals resulted in the determination that AECOM/Lotus, Joint Venture (JV) (PRO.0054.A), Brown and Caldwell/SRT, JV (PRO.0054.B), Hazen and Sawyer/Avila and Associates, JV (PRO.0054.C), and Woodard and Curran, Inc./Hydroconsult Engineers Inc., JV (PRO.0054.D) are the top four most qualified consulting firms; and

WHEREAS, CMD established a subconsulting requirement of 16% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for these agreements; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for each of these agreements will be available at the time of individual task order awards from Wastewater Enterprise operating and capital budgets, now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of AECOM/Lotus, JV, Brown and Caldwell/SRT, JV, Hazen and Sawyer/Avila and Associates, JV and Woodard and Curran, Inc./Hydroconsult Engineers Inc., JV and awards Wastewater Enterprise-funded Agreement No. PRO.0054.A to AECOM/Lotus, JV, Agreement No. PRO.0054.B to Brown and Caldwell/SRT, JV, Agreement No. PRO.0054.C to Hazen and Sawyer/Avila and Associates, JV, and Agreement No. PRO.0054.D to Woodard and Curran, Inc./Hydroconsult Engineers Inc., JV, to provide as-needed wastewater and stormwater related technical services, and authorizes the General Manager to negotiate and execute four professional services agreements (Agreement Nos. PRO.0054.A-D), each with an amount not to exceed $5,000,000, and each with a duration of five years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0199**

WHEREAS, The San Francisco Public Utilities Commission (SFPUC) requires as-needed construction management services for the construction of improvements to various SFPUC facilities in the Hetchy Capital Improvement Projects (HCIP) which is a part of the Water Enterprise 10-year Capital Improvement Program; and

WHEREAS, It is necessary to procure the services of qualified construction management consultants to provide as-needed, specialized construction management services to supplement SFPUC staff; and

WHEREAS, On August 30, 2018, SFPUC issued a Request for Proposals (RFP) to select up to three contractors to provide as-needed, specialized construction management services, with a not-to-exceed amount of $4,000,000 per agreement for a cumulative total of $12,000,000, and with a term not to exceed five years per agreement; and

WHEREAS, SFPUC staff and Contract Monitoring Division (CMD) review of the proposals resulted in the selection of AECOM-EMS a Joint Venture, Mott MacDonald/Dabri, Inc. Joint Venture, and Avila and Associates Consulting Engineers, Inc. as the three highest scoring responsive proposers; and

WHEREAS, Services are anticipated to begin under the three agreements in January 2019 and end in January 2024, with the duration of each agreement being five years; and

WHEREAS, CMD established a subconsulting requirement of 12% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for each of these agreements, and AECOM-EMS a Joint Venture, Mott MacDonald/Dabri, Inc. Joint Venture, and Avila and Associates Consulting Engineers, Inc. have respectively committed to LBE subconsultant participation of 12.30 %, 24.00%, and 12.15%; and

WHEREAS, Failure to reach successful agreement on contract terms and conditions within 30 days of the date of the Commission award may result in award of the contract to the next highest ranked proposer, or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, The firms being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within two weeks of the date of the Commission award; and failure of the bidder to obtain compliance certification from CMD may, in the General Manager's sole discretion, result in award of the agreement to the next highest ranked proposer(s), or re-advertising and re-selecting consultants at the discretion of the City; and

WHEREAS, Funds for this agreement will be available from individual projects listed in the Water Enterprise 10-year Capital Improvement Program utilizing services under the agreements; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of AECOM-EMS a Joint Venture, Mott MacDonald/Dabri, Inc. Joint Venture, and Avila and Associates Consulting Engineers, Inc.; and be it

FURTHER RESOLVED, That this Commission hereby awards Water Enterprise Hetch Hetchy 10-Year Capital Improvement Program-funded Agreement Nos. PRO.0097.A-C, HCIP As-Needed Construction Management Services, to AECOM-EMS a Joint Venture (PRO.0097.A), Mott MacDonald-Dabri, Inc. Joint Venture (PRO.0097.B), and Avila and Associates Consulting Engineers (PRO.0097.C), to provide construction management services to support Hetchy Capital Improvement Projects on an as-needed basis; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager of the SFPUC to negotiate and execute three professional services agreements -- PRO.0097.A with AECOM-EMS, PRO.0097.B with Mott MacDonald-Dabri, Inc., and PRO.0097.C with Avila and Associates Consulting Engineers -- each in an amount not to exceed $4,000,000, and each with a duration of five years, or, in the event negotiations are not successful or City requirements are not satisfied with respect to any of the three agreements, to negotiate and execute such professional services agreement with the next highest ranked proposer(s).

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0200**

WHEREAS, The San Francisco Public Utilities (SFPUC) Customer Service Bureau (CSB) manages billing for approximately 3,500 Hetch Hetchy Power (HHP) customers located in San Francisco and Moccasin, as well as 270 SFPUC customers located at Treasure Island, on behalf of SFPUC's Power Enterprise; and

WHEREAS, CSB currently performs HHP's billing operations using Able Software's Utility Star Enterprise (Utility Star), which is a heavily-modified platform that does not have the core functionality essential to SFPUC HHP for its billing and meter management operations; and

WHEREAS, SFPUC estimates that HHP customer growth will increase the number of meters and accounts to roughly 25,000 units by the year 2030; and

WHEREAS, On May 28, 2018, SFPUC HHP issued Request for Proposals (RFP) PUC.PRO.0113 Electric Billing System Replacement Project to replace Utility Star with a more robust, turnkey billing system comparable to the Oracle Utilities Billing System currently utilized by CSB for SFPUC's Water and Wastewater customers; and

WHEREAS, In response to PUC.PRO.0113, HHP received proposals from Oracle America Inc. (Oracle America) in the amount of $7,628,995 and from Enterprise Solutions Consulting LLC (ESC) in the amount of $4,374,527; and

WHEREAS, The proposals were evaluated by the Contract Monitoring Division ("CMD") and Subject Matter Experts consisting of City employees from SFPUC IT Services, HHP and CSB; and

WHEREAS, SFPUC's scoring panel gave ESC's proposal the highest number of points; and

WHEREAS, The SFPUC now wishes to enter into an Agreement with ESC for the procurement and implementation of a fully hosted and managed electric billing system for a total not-to-exceed amount of $4,374,527 and a contract duration of up to 7 years, funded by Power Enterprise Operating Funds; and

WHEREAS, In a memorandum dated November 20, 2018, CMD waived sub-contracting goals for this project and found ESC eligible for a contract award; and

WHEREAS, Funds for this agreement will be available at the time of award from Power Enterprise Operating Funds; Fund 24970, Department 298648, Authority, Project ID 10029992; now, therefore, be it

RESOLVED, That this Commission hereby approves the selection of Enterprise Solutions Consulting LLC for award of Agreement No. PUC.PRO.0113 SFPUC Hetch Hetchy Power Electric Billing System Replacement Project, for the procurement and implementation of a fully hosted and managed electric billing system for the San Francisco Public Utilities Commission Power Enterprise; and authorizes the General Manager of the SFPUC to negotiate and execute a professional services agreement with Enterprise Solutions Consulting for a total amount not-to-exceed $4,374,527, to be funded from Power Enterprise Operating Funds, and a contract duration of up to 7 years.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0201**

WHEREAS, On September 12, 2018, per Resolution No. 09-0017, this Commission approved the award of Water System Improvement Program (WSIP) funded Contract No. WD-2850(I), Crystal Springs/San Andreas Pipeline Erosion Repair at OW-13 and OW-18, to Hoseley Corporation; and

WHEREAS, The construction contract Notice-to-Proceed date was set for November 16, 2018; and

WHEREAS, The original contract amount was for $377,500 and the original contract duration was 90 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires that any cumulative increases in contract price or duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, An increase to the existing $37,750 contract cost contingency in the amount of $112,250 and an increase to the existing 9-day contract duration contingency in the amount of 131 days are being requested to accelerate work by installing an articulated block system and working overtime to complete the work prior to the upcoming winter storms and within environmental permits' seasonal work window, for a total contract cost contingency of $150,000 and a total contract duration contingency of 140 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division established a Local Business Enterprise (LBE) subcontracting requirement of 3% for this contract, and the contractor committed to a LBE participation of 5.03% with its bid submittal; and

WHEREAS, Funds are available from Project No. CUWPWI0101 – WSIP Closeout – Peninsula Region; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the contract cost contingency in the amount of $112,250 and an increase to the contract duration contingency in the amount of 131 consecutive calendar days for WSIP-funded Contract No. WD-2850(I), Crystal Springs/San Andreas Pipeline Erosion Repair at OW-13 and OW-18, with Hoseley Corporation, for a total contract amount contingency of $150,000 and a total contract duration contingency of 140 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager or his designee, to consider and, if appropriate, to approve any future modifications to the contract for a total contract amount of up to $527,500 and a total contract duration of up to 230 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

Blank Page

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0202**

WHEREAS, On January 26, 2016, per Resolution No. 16-0023, this Commission approved the award of Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP) funded Contract No. WW-613, Southeast Water Pollution Control Plant (SEP) Building 521/522 and Disinfection Upgrades, to Western Water Constructors, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was set for March 7, 2016; and

WHEREAS, The original contract amount was for $25,750,000 and the original contract duration was 730 consecutive calendar days; and

WHEREAS, Section 6.22(h) of the Administrative Code requires any cumulative increases in contract cost or duration in excess of 10% of the original contract amounts be approved by this Commission; and

WHEREAS, On February 14, 2017, per Resolution No. 17-0024, this Commission approved an increase to the contract duration contingency in the amount of 182 consecutive calendar days to address design changes related to underground conduits and electrical modifications, increasing the contract duration contingency to 255 days, for a total revised contract duration of up to 985 consecutive calendar days; and

WHEREAS, On April 24, 2018, per Resolution No. 18-0066, this Commission approved an increase to the contract cost contingency in the amount of $1,297,166 and an increase in the contract duration contingency in the amount of 104 consecutive calendar days to address changes related to additional coating work for outboard channels, replacement of three heating, ventilation, air conditioning (HVAC) units, various modifications to motor control centers (MCC's), fire alarm system and site security, and replacement of stop logs with pre-cast/pre-coated concrete sections due to plant shutdown restraints, increasing the contract cost contingency to $3,872,166, and increasing the contract duration contingency to 359 consecutive calendar days, for a total revised contract amount up to $29,622,166, and a total revised contract duration of up to 1,089 consecutive calendar days; and

WHEREAS, An increase to the cost contingency in the amount of $500,000 and an increase to the duration contingency in the amount of 220 consecutive calendar days is being requested to replace large section of corroded sanitary sewer piping at the SEP 522 & 920 areas, modify VFDs to implement the control strategy and interlocks between the (6) W3 Pumps and associated Knife Gate Discharge Valves, provide 120V power to (6) W3 Pump Vibration Sensors, modify MCC to implement the control strategy and interlocks for the (2) Dewatering Pumps and (12) Sample Pump Flow Switches, revise the light fixtures and lighting controls inside building 522 and the SEP 920, increasing the contract cost contingency to $4,372,166, and increasing the contract duration contingency to 579 consecutive calendar days, for a total revised contract amount of up to $30,122,166, and a total revised contract duration of up to 1,309 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE participation of 20.27% with its bid submittal; and

WHEREAS, Funds are available from Project Nos. CWWSIPSE05, SEP 521/522 and Disinfection Upgrades and CWWSIPSE08 SEP Seismic Reliability and Condition Assessment Improvements; now, therefore, be it

RESOLVED, That this Commission hereby approves an increase to the existing construction contract cost contingency in the amount of $500,000 and an increase to the contract duration contingency in the amount of 220 consecutive calendar days for WWE, SSIP-funded Contract No. WW-613, SEP Building 521/522 and Disinfection Upgrades, increasing the total contract cost contingency to $4,372,166 and increasing the total duration contingency to 579 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to consider and, if appropriate, to approve any future modifications to the contract amount for a total contract amount of up to $30,122,166 and a total contract duration of up to 1,309 consecutive calendar days.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0203**

WHEREAS, On September 13, 2016, per Resolution No. 16-0190, this Commission approved the award of Wastewater Enterprise (WWE), Capital Improvement Program (CIP) funded Contract No. WW-638, Griffith Yard Improvements, to Ranger Pipelines, Inc.; and

WHEREAS, The construction contract Notice-to-Proceed date was November 2, 2016; and

WHEREAS, The original contract amount was for $10,585,800, and the original contract duration was 240 consecutive calendar days; and

WHEREAS, Sections 6.22(h) of the Administrative Code requires that any cumulative increase in contract price or contract duration in excess of 10% of the original contract price or duration be approved by the Commission; and

WHEREAS, On July 25, 2017, per Resolution No. 17-0169, this Commission approved an increase to the contract cost contingency in the amount of $1,587,870, and an increase in the contract duration contingency of 216, for a total contract amount of up to $13,232,250 and a total contract duration of up to 480 consecutive calendar days; and

WHEREAS, On February 13, 2018, per Resolution No. 18-0021, this Commission approved an increase in the contract duration contingency of 125 consecutive calendar days, for a total contract duration of up to 605 consecutive calendar days, with no change to the contract amount; and

WHEREAS, Modification No. 4 (Final) is being requested to increase the contract amount by $891,167 and increase the contract duration by 184 consecutive calendar days for a for a total contract amount of $14,123,417 and a total contract duration of 789 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting requirement of 20% for this construction contract, and the contractor committed to a LBE subcontracting participation of 21.06% with its bid submittal; CMD has determined the contractor substantially complied with the LBE subcontracting requirements by achieving a final LBE subcontracting participation of 23.79%; and

WHEREAS, Funds are available from Project CWWFAC02, Collection Division Consolidation; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Ranger Pipelines, Inc. for WWE, CIP-funded Contract WW-638, Griffith Yard Improvements, approves Modification No. 4 (Final) increasing the contract by $891,167 for a total contract amount of $14,123,417, and extending the contract duration by 184 consecutive calendar days for a total contract duration of 789 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0204**

WHEREAS, Construction has been completed for Wastewater Enterprise (WWE), Sewer System Improvement Program (SSIP), and San Francisco Department of Public Works Department-funded Contract No. WW-650, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement, by the contractor, Precision Engineering, Inc.; and

WHEREAS, On March 14, 2017, by Resolution No. 17-0048, this Commission awarded Contract No. WW-650, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement, to the lowest, qualified, responsible, and responsive bidder, Precision Engineering, Inc.; and

WHEREAS, The original contract amount was for $3,112,150 and the original contract duration was 180 consecutive calendar days; and

WHEREAS, The construction contract Notice-to-Proceed date was set for May 1, 2017, and the contract work was completed in 495 consecutive calendar days on September 8, 2018; and

WHEREAS, Modification No. 1 was issued by staff for $90,000, increasing the contract amount to $3,202,150, with no change to the contract duration, to replace a raised crosswalk at Foerster and Mangels and replace a curb return at Foerster and Joost; and

WHEREAS, Modification No. 2 (Final) is requested for a $274,716 reduction and a time extension of 315 consecutive calendar days, to install sewer manholes and 12" sewer pipe at Foerster and Mangels, relocate utilities at Foerster and Joost, final bid item reconciliation, and to provide additional time to meet the requirements for Final Completion, decreasing the total contract amount to $2,927,434, and increasing the total contract duration to 495 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (CMD) established a Local Business Enterprise (LBE) subcontracting goal of 20% for this contract and the Contractor committed to a LBE participation of 20.62% with its bid submittal; CMD has determined that Precision Engineering, Inc. made a good faith effort to comply with the subcontracting goal by achieving a final LBE participation of 11.51%; and

WHEREAS, Funds are available from (i) Sewer System Improvement Program, Project No. CWWSIPFCDB16, (ii) Wastewater Enterprise Renewal and Replacement Program, Project No. CWWRNRCSB8, and (iii) San Francisco Department of Public Works Department, Project No. 2966J HUTA 15-16 GTF, Joint-Sewer Lead-Foerster St Auxiliary and Mangels, Hearst, Detroit Sewer Replacement Project; now, therefore, be it

RESOLVED, That this Commission hereby accepts work performed by Precision Engineering, Inc. for WWE, SSIP-funded Contract No. WW-650, Foerster Street Auxiliary and Mangels/Hearst/Detroit Sewer Replacement, approves Modification No. 2 (Final), decreasing the contract by $274,716 and extending the duration by 315 consecutive calendar days for a total contract amount of $2,927,434 and a total contract duration of 495 consecutive calendar days, and authorizes final payment to the contractor.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0205**

WHEREAS, The City and County of San Francisco (City), under the San Francisco Public Utilities Commission (SFPUC)'s jurisdiction, acquired the Lake Merced Tract in 1930 as part of the City's acquisition of the Spring Valley Water Company; and

WHEREAS, A portion of the Lake Merced Tract consists of an approximately 5.85 acre-parcel adjacent to Lake Merced known as 700 John Muir Drive, San Francisco, California (Premises); and

WHEREAS, On June 24, 1935, by Resolution No. 890, the SFPUC issued a permit (1935 Permit) to the San Francisco Police Commission for use of the Premises for "Police College & Training"; and

WHEREAS, Since approximately 1935, the San Francisco Police Department (SFPD) has continuously used the Premises for a firing range, a personnel and police dog training facility, and for parking; and

WHEREAS, Because the 1935 Permit is outdated and does not contain key provisions pertaining to the protection and maintenance of the Premises, SFPUC desires to enter into a Memorandum of Understanding (MOU) with SFPD to supersede and replace the 1935 Permit and set forth the current terms and conditions governing SFPD's continuing use of the Premises for a firing range, a personnel and police dog training facility, and for parking; and

WHEREAS, The MOU requires that SFPD, at its sole cost, maintain and repair the Premises in a good, clean, safe, secure, sanitary, and sightly condition, bear all costs in connection with its use of the Premises, and remedy any damages caused by SFPD's activities on the Premises, and further requires that any proposed new improvements on the Premises requires SFPUC's prior review and approval; and

WHEREAS, The Commission finds that authorizing SFPD to use the Premises rent-free pursuant to the MOU benefits the SFPUC's primary utility purpose because SFPD's use of the Premises will continue to protect Lake Merced from inappropriate use by others thereby helping the SFPUC maintain the water quality of Lake Merced, and the MOU requires SFPD to fully main and repair the Premises at its own expenses, thereby relieving SFPUC of those costs; and

WHEREAS, As additional consideration to the SFPUC for SFPD's use of the Premises, the MOU provides that SFPD will provide the SFPUC's Emergency Planning and Security Division personnel with annual armed-intruder response training and/or similar emergency response training; and

WHEREAS, The SFPUC may terminate the MOU upon 365 days' notice to the SFPD at such time as the SFPUC determines, following public notice and approval by this Commission, that the SFPUC's assumption of operation of the Premises is necessary for a primary utility use; and

WHEREAS, This action does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378 because there would be no physical change in the environment; therefore be it

RESOLVED, That this Commission hereby approves the terms and conditions of the Memorandum of Understanding; and, be it

FURTHER RESOLVED, That this Commission hereby ratifies and approves the SFPUC General Manager's execution of the Memorandum of Understanding and all other actions heretofore taken by any City official regarding the Memorandum of Understanding; and, be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute any amendments or modifications to the Memorandum of Understanding, including without limitation, the exhibits, that the General Manager determines, in consultation with the City Attorney, are in the best interests of the SFPUC, do not materially increase the obligations or liabilities of the SFPUC, are necessary or advisable to effectuate the purposes and intent of the Memorandum of Understanding or this resolution, and are in compliance with all applicable laws, including the City Charter.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0206**

WHEREAS, On February 14, 2012, by Resolution 12-0015, this Commission awarded Agreement No. CS-200, Right-of-Way Services, to provide right of way (ROW) services for Sewer System Improvement Program (SSIP) and Water System Improvement Program (WSIP) projects and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute a professional services agreement (Agreement) in the amount of $3,500,000 with a term of five years with Associated Right-of-Way Services, Inc. (AR/WS); and

WHEREAS, On April 26, 2016, by Resolution No. 16-0060, this Commission approved Amendment No. 1 to the Agreement to extend the term by two years, for a total agreement duration of six years and seven months; and

WHEREAS, On February 13, 2018, by Resolution No. 18-0026, this Commission approved Amendment No. 2 to the Agreement to extend the term by two years and five months, for a total agreement duration of nine years; and

WHEREAS, Staff requests Amendment No. 3 to expand the scope of services to be performed by AR/WS under the Agreement to include ROW services in support of Real Estate Services Division, Natural Resources/Land Management Division, and City Distribution Division projects and evaluation and analysis of third-party projects on or about the SFPUC ROW, in addition to the WSIP and SSIP projects it already covers, consistent with the terms of the Request for Proposals for the Agreement; and

WHEREAS, The Contract Monitoring Division established a subconsulting requirement of 9% Local Business Enterprise (LBE) participation (of the total value of services to be provided) for this agreement, and AR/WS committed to a LBE subconsultant participation rate of 13.06%; and

WHEREAS, Funding for this agreement is available from the SSIP (Project CWWSIPPL-SSIP Planning Project) and other specific SFPUC projects to be determined; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 3 to Agreement No. CS-200, Right of Way Services, to expand the scope of services provided by AR/WS under the Agreement to include ROW services for non-WSIP and non-SSIP projects and third-party projects on SFPUC land, with no change in contract amount or duration, and authorizes the General Manager of the SFPUC to negotiate and execute Amendment No. 3.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Abbott

PUBLIC UTILITIES COMMISSION
City and County of San Francisco

RESOLUTION NO. 18-0207

WHEREAS, Hetch Hetchy Water and Power (HHWP), Hetchy Capital Improvements Project (HCIP) funded Contract No. HH-995, Hetch Hetchy & Cherry Lake Guardrail Improvement, was advertised on August 13, 2018; and

WHEREAS, The Engineer's Estimate is $1,600,000 for this construction contract work to install Caltrans standard guardrails along Cherry Lake road and Hetch Hetchy road in the Stanislaus National Forest; and

WHEREAS, The contract duration is 394 consecutive calendar days; and

WHEREAS, Two bids were received and opened publicly on September 13, 2018; and

WHEREAS, One of the bidders subsequently withdrew its bid based on California Public Contract Code Section 5103, resulting in the establishment of Sierra Mountain Construction Inc. as the sole, qualified, responsible and responsive bidder; and

WHEREAS, Pursuant to the San Francisco Administrative Code Section 6.23(c)(3), SFPUC staff conducted an analysis to determine whether the qualifications were too onerous and not necessary and/or whether one or more of the nonresponsive bids could be easily cured and whether those bidders would be interested in rebidding the work, and if so, if this would likely result in more than one responsible and responsible bid at prices substantially lower than the prices received; SFPUC staff determined that the qualifications were not too onerous or unnecessary and that even if nonresponsive bids could be cured and those bidders were interested in rebidding the work, it was not likely to result in more than one bid at prices substantially lower than the prices received; and

WHEREAS, A CMD subcontracting goal of 5% Local Business Enterprise (LBE) participation has been established for this contract and the contractor committed to a LBE participation of 7.15% with its bid submittal; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from CMD may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds are available from Project No. 10014102, Hetch Hetchy & Cherry Lake Road Guardrail Improvements; and

WHEREAS, The project is exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines under Section 15301, Class 1 (Existing Facilities) and Section 15303, Class 3; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards HHWP, HCIP-funded Contract No. HH-995, Hetch Hetchy & Cherry Lake Guardrail Road Guardrail Improvement Project, in the amount of $1,887,735, with a duration of 394 consecutive calendar days, to the sole, qualified, responsible and responsive bidder, Sierra Mountain Construction, Inc.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Monna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0208**

WHEREAS, On May 24, 2016, per Resolution No. 16-0099, this Commission approved the award of Wastewater Enterprise, Sewer System Improvement Program (SSIP) funded Contract No. WW-628, Southeast Plant (SEP) New Headworks Facility Project, a Construction Manager / General Contractor (CM/GC) agreement, to Sundt-Walsh Joint Venture (JV); and

WHEREAS, The pre-construction Notice-To-Proceed date was August 15, 2016 and construction Notice-To-Proceed date was November 15, 2017; and

WHEREAS, The original contract amount was for $244,562,224 and the original contract duration was 2,658 consecutive calendar days; and

WHEREAS, On February 28, 2017, per Resolution No. 17-0043, this Commission approved the project, authorized an increase in the scope of work and contract amount under Modification No. 1, and authorized the General Manager to proceed with the Construction Phase of the project, as modified by Modification No. 1; and

WHEREAS, Modification No. 1 was issued for $11,600,000, pursuant to Resolution No. 17-0043, to address construction of 12kV infrastructure, installation of seismic drilled piers on the north side of the primary clarifiers (SEP 042), installation bar screens at BFS Pump Station and distributed control system (DCS) work, increasing the construction contract amount to $256,162,224; and

WHEREAS, Section 6.22(h) of the Administrative Code requires any cumulative increases in contract cost or duration in excess of 10% of the original contract amounts be approved by this Commission; and

WHEREAS, Modification No. 2 in the amount of $36,017,960 is being requested to address an increase in Scope I site preparation costs based on the re-scoping of the work and actual bids received, an increase in costs for pre-construction services for corresponding changes, an increase in the General Conditions payments as it relates to Scope I due to corresponding changes in the work for a total contract amount of $292,180,184, as well as an increase to the percentage of work the CM/GC can self-perform; and

WHEREAS, An increase in the contract cost contingency of $18,630,619 for a total cost contingency of $43,086,841 and an increase in the contract duration contingency of 75 days for a total duration contingency of 278 days for a contract amount limit of $335,267,025, and an increase in the contract duration limit to 2936 consecutive calendar days is being requested to account for implementation of Scope I and Scope II, including the proposed addition of a 50 MGD influent pump station, influent piping and effluent force main, electrical building and odor control, as well as corresponding increases to the General Conditions costs and bond premiums; and

WHEREAS, Both Modification No. 2 and the increase to the existing construction contract cost contingency are aligned with the revised SSIP baseline scope and budget approved by the SFPUC through Resolution No. 18-0071, dated April 24, 2018; and

WHEREAS, Contract Monitoring Division (CMD) subcontracting requirements of 15% Local Business Enterprise (LBE) participation were originally established for this construction contract and Sundt/Walsh JV submitted a Certificate of Commitment to meet the 15% LBE subcontracting requirement over the life of the contract; and

WHEREAS, Funds are available from Project Nos. CWWSIPSE02 – SEP New Headworks (Grit) Replacement Project, CWWSIPSE07 – SEP Facility-wide Distributed Control System Upgrades, CWWSIPSE08 – SEP Seismic Reliability and Condition Assessment Improvements and CWWSIPSE10 – SEP Power Feed and Primary Switchgear Upgrades; now, therefore, be it

RESOLVED, That this Commission hereby approves Modification No. 2 for Wastewater Enterprise's Sewer System Improvement Program (SSIP)-funded Contract No. WW-628 SEP New Headworks Facility Project, a Construction Manager/General Contractor (CM/GC) agreement, with Sundt-Walsh Joint Venture, increasing the construction contract by $36,017,960 for a total construction contract amount of $292,180,184, and modifying contract terms and conditions; and be it

FURTHER RESOLVED, That this Commission hereby approves increasing the existing construction contract cost contingency by $18,630,619 and increasing the contract duration contingency by 75 consecutive calendar days, increasing the total contract cost contingency to $43,086,841 and the total duration contingency to 278 consecutive calendar days; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager, or his designee, to execute Modification No. 2, and to consider and, if appropriate, to approve future modifications to the contract amount for a total of up to $335,267,025 and to the contract duration for a total of up to 2,936 consecutive calendar days; and be it

FURTHER RESOLVED, The implementation of the Construction Phase for Scopes II.B and II.C will not be authorized or commence until environmental review for this work is complete and approved, and this Commission approves the project or approves the project with modifications. This Commission reserves the right to, among other things, modify the project to mitigate any significant environmental impacts or elect not to proceed with the project based on information generated by the environmental review process.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: **18-0209**

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program called CleanPowerSF through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, The complementary objectives of the CleanPowerSF program are to (1) provide electricity and related services at affordable and competitive rates while promoting long-term rate stability, (2) reduce, and eventually eliminate, the greenhouse gas emissions associated with the use of electricity in San Francisco, (3) support, to the greatest extent possible and affordable, the development of new clean energy infrastructure and new employment opportunities for San Franciscans, and (4) provide long-term rate and financial stability to CleanPowerSF and its customers; and

WHEREAS, On May 9, 2017, staff presented to the Commission the CleanPowerSF Growth Plan, which detailed how staff intends to achieve the program objectives while expanding CleanPowerSF to Citywide service; and

WHEREAS, On May 9, 2017, by Resolution No. 17-0102, the Commission established a goal to expand CleanPowerSF service to 100% of eligible San Francisco customers by July 2019, or sooner if possible; and

WHEREAS, Staff has prepared to enroll approximately 280,000 residential accounts into CleanPowerSF in April of 2019; and

WHEREAS, The General Manager shall continue to take all steps necessary to expand CleanPowerSF service until 100% of eligible San Francisco customers are enrolled.

WHEREAS, The SFPUC intends that CleanPowerSF retail rates be set to meet program operating costs, repay debt, financial targets for reserves and debt-service coverage ratios, and obligations pursuant to CleanPowerSF power supply contracts and credit agreements; and

WHEREAS, The proposed rates conform to the CleanPowerSF Rate Setting Policy and the Commission's Ratepayer Assurance Policy; and

WHEREAS, On December 7, 2018, SFPUC staff presented the proposed CleanPowerSF rates and charges to the Rate Fairness Board (RFB), which expressed its support; and

WHEREAS, Pacific Gas and Electric Company's (PG&E) electric generation rates are authorized by the California Public Utilities Commission (CPUC); and

WHEREAS, The CPUC permits PG&E to levy the Power Charge Indifference Adjustment (PCIA) on the bills of customers who switch to CleanPowerSF, in order to recover the estimated above market costs of power supply commitments made by PG&E prior to a customer's switch to CleanPowerSF generation service; and

WHEREAS, The Franchise Fee Surcharge (FFS) is a surcharge imposed by PG&E on its customers to recover franchise fees charged by cities and counties; and

WHEREAS, The expected effective date of PG&E's rate change could be delayed by actions of the CPUC; and

WHEREAS, Based on PG&E forecasts, PG&E's generation rates are expected to decrease and the PCIA is expected to increase for most CleanPowerSF customers beginning on January 1, 2019; and

WHEREAS, To address the anticipated change in PG&E's generation and FFS rates, staff proposes to decrease CleanPowerSF generation rates by an amount equal to the change in PG&E's generation and FFS rates beginning on January 1, 2019 as compared to current PG&E rates; and

WHEREAS, To address the anticipated impact of PG&E's PCIA rate changes on CleanPowerSF ratepayers, staff proposes to add a volumetric rate credit on CleanPowerSF customers' bills equal to the projected increase in the PCIA fees PG&E will charge CleanPowerSF customers beginning on January 1, 2019; and

WHEREAS, Pursuant to Charter Section 16.112, a Notice of hearing on the proposal to adopt a schedule of rates was published in the official newspaper on November 21, 22, 23, 25, & 28, 2018, and posted on the SFPUC website and at the San Francisco Public Library, as required, for a public hearing on December 11, 2018; and

WHEREAS, On November 29,2018 the Planning Department determined that this action is statutorily exempt from the California Environmental Quality Act (CEQA) and the CEQA Guidelines Section 15273 (Rates, Tolls, Fares, and Charges): and

WHEREAS, Charter section 8B.125 requires the Commission to set rates and charges, subject to rejection by the Board of Supervisors, within 30 days of submission; now, therefore, be it

RESOLVED, This Commission hereby sets the rates and charges as presented in Exhibit 1: Schedule of CleanPowerSF Electric Rates and Charges to take effect on February 1, 2019 and to remain in effect until replaced or revised; and be it

FURTHER RESOLVED, The General Manager is authorized to adjust the initial rates in Exhibit 1 after January 1, 2019 PG&E rates are finalized, so long as the adjusted rates recover the cost of service, prior to commencing the opt-out process for the April 2019 enrollment; and be it

FURTHER RESOLVED, This Commission recognizes that the timing of PG&E's rate implementation could be delayed and authorizes the GM to delay implementation of the steps described herein if necessary due to delays authorized by the CPUC, or if other actions of the CPUC or PG&E require further consideration by this Commission prior to implementing this rate action; and be it.

FURTHER RESOLVED, Effective July 1, 2019, and each successive July 1 thereafter, the General Manager is authorized to adjust rates not otherwise adjusted by Commission action by the annual percentage change in the Consumer Price Index (CPI) for All Urban Consumers for San Francisco-Oakland-San Jose published by the U.S. Bureau of Labor Statistics (for the twelve months ended December 31 in the calendar year preceding the year during which the rates will be effective); and be it

FURTHER RESOLVED, This Commission directs the General Manager to conduct a cost-of-service review concurrent with the standard Power Enterprise cost of service review no less than every five years and propose revised rates, as required by Charter Section 8B.125; and be it

FURTHER RESOLVED, That all other necessary rate adjustments will be conducted consistent with the process established by Charter Section 8B.125; and be it

FURTHER RESOLVED, This Commission hereby finds that adoption of this resolution will establish rates for the purpose of meeting operating expenses, including the recovery of program reserves and allow for CleanPowerSF to be financially stable, and that adoption of the resolution is exempt from environmental review requirements in accordance with California Public Resource Code Section 21080(b)(8); and be it

FURTHER RESOLVED, This Commission directs the General Manager to submit these initial rates and charges, including the direction to adjust the initial rates prior to commencement of the April 2019 enrollment opt-out process and the authorization for annual administrative rate adjustments based on CPI, to the Board of Supervisors, as required by Charter Section 8B.125.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Exhibit 1: Schedule of CleanPowerSF Electric Rates and Charges
Effective February 1, 2019

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	Proposed Green Product Rate Feb. 1, 2019	CleanPowerSF PCIA Credit Feb. 1, 2019	SuperGreen Premium	SuperGreen Rate Feb. 1, 2019 (Green Rate + SuperGreen Premium)	Billing Determinant
Non-Time of Use Residential (E-1)	E1, E1L, EM, EML, ES, ESL, ESR, ESRL, ET, and ETL	Year round	All hours	0.06624	0.00000	$ 0.015	0.08124	kWh
Residential Time of Use (1) (E-6)	E-6	Summer	Peak	0.18709	0.00000	$ 0.015	0.20209	kWh
			Part Peak	0.08214	0.00000	$ 0.015	0.09714	kWh
			Off Peak	0.03930	0.00000	$ 0.015	0.05430	kWh
		Winter	Part Peak	0.06308	0.00000	$ 0.015	0.07808	kWh
			Off Peak	0.05130	0.00000	$ 0.015	0.06630	kWh
Residential Time of Use A (E-TOU A)	E-TOU A	Summer	Peak	0.14316	0.00000	$ 0.015	0.15816	kWh
			Off Peak	0.07287	0.00000	$ 0.015	0.08787	kWh
		Winter	Peak	0.06193	0.00000	$ 0.015	0.07693	kWh
			Off Peak	0.04864	0.00000	$ 0.015	0.06364	kWh
Residential Time of Use B (E-TOU B)	E-TOU B	Summer	Peak	0.16350	0.00000	$ 0.015	0.17850	kWh
			Off Peak	0.06766	0.00000	$ 0.015	0.08266	kWh
		Winter	Peak	0.06414	0.00000	$ 0.015	0.07914	kWh
			Off Peak	0.04666	0.00000	$ 0.015	0.06166	kWh
Residential Time of Use C (E-TOU C)	E-TOU C	Summer	Peak	0.12079	0.00000	$ 0.015	0.13579	kWh
			Off Peak	0.06179	0.00000	$ 0.015	0.07679	kWh
		Winter	Peak	0.06828	0.00000	$ 0.015	0.08328	kWh
			Off Peak	0.05216	0.00000	$ 0.015	0.06716	kWh
Electric Vehicle Time-of-Use Service (EV)	EVA, EVB	Summer	Peak	0.19546	0.00000	$ 0.015	0.21046	kWh
			Part Peak	0.07658	0.00000	$ 0.015	0.09158	kWh
			Off Peak	0.02157	0.00000	$ 0.015	0.03657	kWh
		Winter	Peak	0.05174	0.00000	$ 0.015	0.06674	kWh
			Part Peak	0.01957	0.00000	$ 0.015	0.03457	kWh
			Off Peak	0.02355	0.00000	$ 0.015	0.03855	kWh
Residential Multi Meter Standby	SEM	Year round	Reservation Charge	0.39	0.00	$ 0.015	0.39	kW
			All hours	0.06624	0.00000	$ 0.015	0.08124	kWh
Small General Service (A-1)	A-1 A	Summer	All hours	0.09087	-0.00823	$ 0.010	0.10087	kWh
		Winter	All hours	0.05463	-0.00823	$ 0.010	0.06463	kWh
Small General Service (A-1TOU)	A-1 B	Summer	Peak	0.10393	-0.00823	$ 0.010	0.11393	kWh
			Part Peak	0.08208	-0.00823	$ 0.010	0.09208	kWh
			Off Peak	0.05681	-0.00823	$ 0.010	0.06681	kWh
		Winter	Part Peak	0.08190	-0.00823	$ 0.010	0.09190	kWh
			Off Peak	0.06257	-0.00823	$ 0.010	0.07257	kWh
Small General Time-of-Use Service (A-6)	A-6	Summer	Peak	0.32083	-0.00823	$ 0.010	0.33083	kWh
			Part Peak	0.10210	-0.00823	$ 0.010	0.11210	kWh
			Off Peak	0.04824	-0.00823	$ 0.010	0.05824	kWh
		Winter	Part Peak	0.07177	-0.00823	$ 0.010	0.08177	kWh
			Off Peak	0.05561	-0.00823	$ 0.010	0.06561	kWh
Direct-Current General Service (A-15)	A-15	Summer	All hours	0.09087	-0.00823	$ 0.010	0.10087	kWh
		Winter	All hours	0.05463	-0.00823	$ 0.010	0.06463	kWh
Medium General Demand Non-Time of Use - Secondary Voltage (A-10AS)	A-10 A	Summer	All hours	0.07989	-0.00969	$ 0.005	0.08489	kWh
		Winter	All hours	0.05537	-0.00969	$ 0.005	0.06037	kWh
		Summer	Demand	4.92	0.00	$ 0.005	4.92	kW
Med. General Demand Non-Time of Use - Primary Voltage (A-10AP)		Summer	All hours	0.07086	-0.00969	$ 0.005	0.07586	kWh
		Winter	All hours	0.04960	-0.00969	$ 0.005	0.05460	kWh
		Summer	Demand	4.27	0.00	$ 0.005	4.27	kW
Med. General Demand Non-Time of Use - Transmission (A-10AT)		Summer	All hours	0.06193	-0.00969	$ 0.005	0.06693	kWh
		Winter	All hours	0.04348	-0.00969	$ 0.005	0.04848	kWh
		Summer	Demand	3.35	0.00	$ 0.005	3.35	kW
Medium General Demand Time of Use - Secondary Voltage (A-10BS)	A-10 B	Summer	Peak	0.12887	-0.00969	$ 0.005	0.13387	kWh
			Part Peak	0.07876	-0.00969	$ 0.005	0.08376	kWh
			Off Peak	0.05324	-0.00969	$ 0.005	0.05824	kWh
		Winter	Part Peak	0.06427	-0.00969	$ 0.005	0.06927	kWh
			Off Peak	0.04875	-0.00969	$ 0.005	0.05375	kWh
		Summer	Demand	4.92	0.00	$ 0.005	4.92	kW
Medium General Demand Time of Use - Primary Voltage (A-10BP)		Summer	Peak	0.11806	-0.00969	$ 0.005	0.12306	kWh
			Part Peak	0.07210	-0.00969	$ 0.005	0.07710	kWh
			Off Peak	0.04789	-0.00969	$ 0.005	0.05289	kWh
		Winter	Part Peak	0.05965	-0.00969	$ 0.005	0.06465	kWh
			Off Peak	0.04521	-0.00969	$ 0.005	0.05021	kWh
		Summer	Demand	4.27	0.00	$ 0.005	4.27	kW
Medium General Demand Time of Use - Transmission (A-10BT)		Summer	Peak	0.10513	-0.00969	$ 0.005	0.11013	kWh
			Part Peak	0.06252	-0.00969	$ 0.005	0.06752	kWh
			Off Peak	0.03951	-0.00969	$ 0.005	0.04451	kWh
		Winter	Part Peak	0.05180	-0.00969	$ 0.005	0.05680	kWh
			Off Peak	0.03855	-0.00969	$ 0.005	0.04355	kWh
		Summer	Demand	3.35	0.00	$ 0.005	3.35	kW

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	Proposed Green Product Rate Feb. 1, 2019	CleanPowerSF PCIA Credit Feb. 1, 2019	SuperGreen Premium	SuperGreen Rate Feb. 1, 2019 (Green Rate + SuperGreen Premium)	Billing Determinant
Medium General Demand Time of Use - Secondary (E-19S)	E-19	Summer	Peak	0.10555	-0.01040	$ 0.005	0.11055	kWh
			Part Peak	0.06450	-0.01040	$ 0.005	0.06950	kWh
			Off Peak	0.03732	-0.01040	$ 0.005	0.04232	kWh
			Max Peak Demand	12.81	0.00	$ 0.005	12.81	kW
			Max Part Peak Demand	3.16	0.00	$ 0.005	3.16	kW
		Winter	Part Peak	0.05888	-0.01040	$ 0.005	0.06388	kWh
			Off Peak	0.04406	-0.01040	$ 0.005	0.04906	kWh
Medium General Demand Time of Use - Primary (E-19P)		Summer	Peak	0.09897	-0.01040	$ 0.005	0.10397	kWh
			Part Peak	0.05920	-0.01040	$ 0.005	0.06420	kWh
			Off Peak	0.03362	-0.01040	$ 0.005	0.03862	kWh
			Max Peak Demand	11.70	0.00	$ 0.005	11.70	kW
			Max Part Peak Demand	2.85	0.00	$ 0.005	2.85	kW
		Winter	Part Peak	0.05382	-0.01040	$ 0.005	0.05882	kWh
			Off Peak	0.03994	-0.01040	$ 0.005	0.04494	kWh
Medium General Demand Time of Use - Transmission (E-19T)		Summer	Peak	0.07258	-0.01040	$ 0.005	0.07758	kWh
			Part Peak	0.05780	-0.01040	$ 0.005	0.06280	kWh
			Off Peak	0.03823	-0.01040	$ 0.005	0.04323	kWh
			Max Peak Demand	14.57	0.00	$ 0.005	14.57	kW
			Max Part Peak Demand	3.66	0.00	$ 0.005	3.66	kW
		Winter	Part Peak	0.06012	-0.01040	$ 0.005	0.06512	kWh
			Off Peak	0.04509	-0.01040	$ 0.005	0.05009	kWh
Medium General Demand Time of Use - Secondary With Qualifying Solar PV (E-19-S-R)		Summer	Peak	0.24722	-0.01040	$ 0.005	0.25222	kWh
			Part Peak	0.09746	-0.01040	$ 0.005	0.10246	kWh
			Off Peak	0.03732	-0.01040	$ 0.005	0.04232	kWh
		Winter	Part Peak	0.05888	-0.01040	$ 0.005	0.06388	kWh
			Off Peak	0.04406	-0.01040	$ 0.005	0.04906	kWh
Medium General Demand Time of Use - Primary With Qualifying Solar PV (E-19-P-R)		Summer	Peak	0.24130	-0.01040	$ 0.005	0.24630	kWh
			Part Peak	0.09180	-0.01040	$ 0.005	0.09680	kWh
			Off Peak	0.03362	-0.01040	$ 0.005	0.03862	kWh
		Winter	Part Peak	0.05382	-0.01040	$ 0.005	0.05882	kWh
			Off Peak	0.03994	-0.01040	$ 0.005	0.04494	kWh
Medium General Demand Time of Use - Transmission With Qualifying Solar PV (E-19-T-R)		Summer	Peak	0.26518	-0.01040	$ 0.005	0.27018	kWh
			Part Peak	0.10323	-0.01040	$ 0.005	0.10823	kWh
			Off Peak	0.03823	-0.01040	$ 0.005	0.04323	kWh
		Winter	Part Peak	0.06012	-0.01040	$ 0.005	0.06512	kWh
			Off Peak	0.04509	-0.01040	$ 0.005	0.05009	kWh
Service to Max Demands >1,000 kW Time of Use - Secondary Voltage (E-20S)	E-20	Summer	Peak	0.09985	-0.00997	$ 0.010	0.10985	kWh
			Part Peak	0.06174	-0.00997	$ 0.010	0.07174	kWh
			Off Peak	0.03558	-0.00997	$ 0.010	0.04558	kWh
			Max Peak Demand	12.66	0.00	$ 0.010	12.66	kW
			Max Part Peak Demand	3.12	0.00	$ 0.010	3.12	kW
		Winter	Part Peak	0.05621	-0.00997	$ 0.010	0.06621	kWh
			Off Peak	0.04203	-0.00997	$ 0.010	0.05203	kWh
Service to Max Demands >1,000 kW Time of Use - Primary Voltage (E-20P)		Summer	Peak	0.10305	-0.00974	$ 0.010	0.11305	kWh
			Part Peak	0.06136	-0.00974	$ 0.010	0.07136	kWh
			Off Peak	0.03571	-0.00974	$ 0.010	0.04571	kWh
			Max Peak Demand	13.79	0.00	$ 0.010	13.79	kW
			Max Part Peak Demand	3.26	0.00	$ 0.010	3.26	kW
		Winter	Part Peak	0.05587	-0.00974	$ 0.010	0.06587	kWh
			Off Peak	0.04201	-0.00974	$ 0.010	0.05201	kWh
Service to Max Demands >1,000 kW Time of Use - Transmission (E-20T)		Summer	Peak	0.06251	-0.00943	$ 0.010	0.07251	kWh
			Part Peak	0.04990	-0.00943	$ 0.010	0.05990	kWh
			Off Peak	0.03322	-0.00943	$ 0.010	0.04322	kWh
			Max Peak Demand	16.37	0.00	$ 0.010	16.37	kW
			Max Part Peak Demand	3.90	0.00	$ 0.010	3.90	kW
		Winter	Part Peak	0.05189	-0.00943	$ 0.010	0.06189	kWh
			Off Peak	0.03907	-0.00943	$ 0.010	0.04907	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Secondary E-20-S-R		Summer	Peak	0.22946	-0.00997	$ 0.010	0.23946	kWh
			Part Peak	0.09308	-0.00997	$ 0.010	0.10308	kWh
			Off Peak	0.03558	-0.00997	$ 0.010	0.04558	kWh
		Winter	Part Peak	0.05621	-0.00997	$ 0.010	0.06621	kWh
			Off Peak	0.04203	-0.00997	$ 0.010	0.05203	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Primary E-20-P-R		Summer	Peak	0.24507	-0.00974	$ 0.010	0.25507	kWh
			Part Peak	0.09259	-0.00974	$ 0.010	0.10259	kWh
			Off Peak	0.03571	-0.00974	$ 0.010	0.04571	kWh
		Winter	Part Peak	0.05587	-0.00974	$ 0.010	0.06587	kWh
			Off Peak	0.04201	-0.00974	$ 0.010	0.05201	kWh
Medium General Demand With Qualifying Solar PV Time of Use - Transmission E-20-T-R		Summer	Peak	0.23934	-0.00943	$ 0.010	0.24934	kWh
			Part Peak	0.08735	-0.00943	$ 0.010	0.09735	kWh
			Off Peak	0.03322	-0.00943	$ 0.010	0.04322	kWh
		Winter	Part Peak	0.05189	-0.00943	$ 0.010	0.06189	kWh
			Off Peak	0.03907	-0.00943	$ 0.010	0.04907	kWh

Tariff Title	Applies To Customers on Following PG&E Rate Schedules	Season	Hours Applied	Proposed Green Product Rate Feb. 1, 2019	CleanPowerSF PCIA Credit Feb. 1, 2019	SuperGreen Premium	SuperGreen Rate Feb. 1, 2019 (Green Rate + SuperGreen Premium)	Billing Determinant
Customer-Owned Street and Highway Lighting Customer-Owned Street and Highway Lighting Electrolier Meter Rate Outdoor Area Lighting Services (LS-1)	LS-2, LS-3, OL-1	Year round	All hours	0.07449	-0.02078	$ 0.010	0.08449	kWh
Traffic Control Service (TC-1)	TC-1	Year round	All hours	0.06267	-0.00823	$ 0.010	0.07267	kWh
Agricultural Power (AG-1)	AG-1 A	Summer	All hours	0.07899	-0.00500	$ 0.010	0.08899	kWh
			Connected Load	1.43	0.00	$ 0.010	1.43	kW
		Winter	All hours	0.05837	-0.00500	$ 0.010	0.06837	kWh
	AG-1 B	Summer	All hours	0.08209	-0.00500	$ 0.010	0.09209	kWh
			Max Demand	2.15	0.00	$ 0.010	2.15	kW
			Primary Voltage Disc.	0.79	0.00	$ 0.010	0.79	kW
		Winter	All hours	0.05844	-0.00500	$ 0.010	0.06844	kWh
Agricultural Power, Time-of-Use (AG-4A)	AG-4 A, AG-4 D	Summer	Peak	0.14148	-0.00500	$ 0.010	0.15148	kWh
			Off Peak	0.04678	-0.00500	$ 0.010	0.05678	kWh
			Connected Load	1.42	0.00	$ 0.010	1.42	kW
		Winter	Part Peak	0.05108	-0.00500	$ 0.010	0.06108	kWh
			Off Peak	0.03979	-0.00500	$ 0.010	0.04979	kWh
Agricultural Power, Time-of-Use (AG-4B)	AG-4 B, AG-4 E	Summer	Peak	0.10246	-0.00500	$ 0.010	0.11246	kWh
			Off Peak	0.04891	-0.00500	$ 0.010	0.05891	kWh
			Max Demand	2.51	0.00	$ 0.010	2.51	kW
			Max Peak Demand	2.66	0.00	$ 0.010	2.66	kW
			Primary Voltage Disc. (per Max Demand)	0.62	0.00	$ 0.010	0.62	kW
		Winter	Part Peak	0.04707	-0.00500	$ 0.010	0.05707	kWh
			Off Peak	0.03630	-0.00500	$ 0.010	0.04630	kWh
Agricultural Power, Time-of-Use (AG-4C)	AG-4 C, AG-4 F	Summer	Peak	0.12211	-0.00500	$ 0.010	0.13211	kWh
			Part Peak	0.05821	-0.00500	$ 0.010	0.06821	kWh
			Off Peak	0.03500	-0.00500	$ 0.010	0.04500	kWh
			Max Peak Demand	6.18	0.00	$ 0.010	6.18	kW
			Max Part Peak Demand	1.05	0.00	$ 0.010	1.05	kW
			Primary Voltage Disc. (per Max Peak Demand)	1.07	0.00	$ 0.010	1.07	kW
			Trans. Volt. Disc. (per Max Peak Demand)	1.97	0.00	$ 0.010	1.97	kW
			Trans. Volt. Disc. (per Max Part Peak Demand)	-0.02	0.00	$ 0.010	-0.02	kW
		Winter	Part Peak	0.04159	-0.00500	$ 0.010	0.05159	kWh
			Off Peak	0.03162	-0.00500	$ 0.010	0.04162	kWh
Large Time-of-Use Agricultural Power (AG-5A)	AG-5 A, AG-5 D	Summer	Peak	0.13079	-0.00500	$ 0.010	0.14079	kWh
			Off Peak	0.05195	-0.00500	$ 0.010	0.06195	kWh
			Connected Load	3.88	0.00	$ 0.010	3.88	kW
		Winter	Part Peak	0.05560	-0.00500	$ 0.010	0.06560	kWh
			Off Peak	0.04371	-0.00500	$ 0.010	0.05371	kWh
Large Time-of-Use Agricultural Power (AG-5B)	AG-5 B, AG-5 E	Summer	Peak	0.12716	-0.00500	$ 0.010	0.13716	kWh
			Off Peak	0.02605	-0.00500	$ 0.010	0.03605	kWh
			Max Demand	4.66	0.00	$ 0.010	4.66	kW
			Max Peak Demand	5.84	0.00	$ 0.010	5.84	kW
			Primary Voltage Disc. (per Max Demand)	1.47	0.00	$ 0.010	1.47	kW
			Trans. Volt. Disc. (per Max Demand)	2.55	0.00	$ 0.010	2.55	kW
		Winter	Part Peak	0.04712	-0.00500	$ 0.010	0.05712	kWh
			Off Peak	0.01734	-0.00500	$ 0.010	0.02734	kWh
Large Time-of-Use Agricultural Power (AG-5C)	AG-5 C, AG-5 F	Summer	Peak	0.10110	-0.00500	$ 0.010	0.11110	kWh
			Part Peak	0.04774	-0.00500	$ 0.010	0.05774	kWh
			Off Peak	0.02788	-0.00500	$ 0.010	0.03788	kWh
			Max Peak Demand	10.83	0.00	$ 0.010	10.83	kW
			Max Part Peak Demand	2.04	0.00	$ 0.010	2.04	kW
			Primary Voltage Disc. (per Max Peak Demand)	2.23	0.00	$ 0.010	2.23	kW
			Trans. Volt. Disc. (per Max Peak Demand)	4.18	0.00	$ 0.010	4.18	kW
		Winter	Part Peak	0.04650	-0.01767	$ 0.010	0.05650	kWh
			Off Peak	0.03748	-0.01767	$ 0.010	0.04748	kWh
Standby Service - Secondary and Primary Voltage	Applies to Full Standby customers under Rate Schedule S. All partial standby customers are billed at their Otherwise Applicable Schedule ("OAS") rate	Year round	Reservation Charge	0.37	0.00		0.37	kW
		Summer	Peak	0.08398	-0.01182	$ 0.010	0.09398	kWh
			Part Peak	0.06867	-0.01182	$ 0.010	0.07867	kWh
			Off Peak	0.04865	-0.01182	$ 0.010	0.05865	kWh
		Winter	Part Peak	0.07111	-0.01182	$ 0.010	0.08111	kWh
			Off Peak	0.05560	-0.01182	$ 0.010	0.06560	kWh
Standby Service - Transmission Voltage		Year round	Reservation Charge	0.31	0.00	$ 0.010	0.31	kW
		Summer	Peak	0.06852	-0.01182	$ 0.010	0.07852	kWh
			Part Peak	0.05580	-0.01182	$ 0.010	0.06580	kWh
			Off Peak	0.03900	-0.01182	$ 0.010	0.04900	kWh
		Winter	Part Peak	0.05780	-0.01182	$ 0.010	0.06780	kWh
			Off Peak	0.04490	-0.01182	$ 0.010	0.05490	kWh

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO.: 18-0210

WHEREAS, The San Francisco Board of Supervisors established a Community Choice Aggregation (CCA) program in 2004 (Ordinance 86-04) and has implemented the program, called CleanPowerSF, through the work of the SFPUC in consultation with the San Francisco Local Agency Formation Commission (Ordinances 146-07, 147-07, and 232-09); and

WHEREAS, The San Francisco Board of Supervisors approved the use of industry pro forma agreements to purchase electricity, including the Edison Electric Institute pro forma agreement (Board of Supervisors Ord. No. 75-15); and

WHEREAS, In Resolution 18-0028, the Commission found that the conditions established in Resolution 17-0226 and those adopted by the Board of Supervisors in Ordinance 008-18 for expansion of the CleanPowerSF program and the procurement of energy supply had been satisfied, and it authorized the General Manager to continue to take all steps necessary to expand CleanPowerSF service until 100% of eligible San Francisco customers are enrolled; and

WHEREAS, On August 20, 2018, CleanPowerSF issued an RFO for Renewable Energy and Carbon-Free Energy delivered in 2019 – 2020 and was not able to obtain sufficient, reasonably priced renewable supplies from the pool of respondents; and

WHEREAS, CleanPowerSF responded to SCE's September 27, 2018, 2018 Bundled RPS Energy Sales Request for Offers to sell renewable energy from SCE's portfolio for deliveries beginning in 2019 through the end of 2020. CleanPowerSF was shortlisted for purchases with total contract costs of approximately $27,500,000 and a term of two years; and

WHEREAS, CleanPowerSF has negotiated two contracts with SCE, one for 2019 in the amount of $24,000,000 and one for 2020 in the amount of $3,500,000; and

WHEREAS, This approval does not constitute a "project" under the California Environmental Quality Act (CEQA) Guidelines Section 15378 because there would be no physical change in the environment; now, therefore, be it

RESOLVED, That the Commission approves the 2019 and 2020 renewable energy contracts with SCE, authorizes the General Manager to execute the contracts for the CleanPowerSF program, and authorizes the General Manager to seek retroactive approval by the Board of Supervisors for the 2019 contract.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Abbott

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0211**

WHEREAS, The attached Master License Agreement (MLA) between the San Francisco Public Utilities Commission (SFPUC) and the San Francisco Unified School District (SFUSD) would authorize the SFPUC to provide Energy Efficiency Project Services at selected locations throughout the SFUSD under the stated terms and conditions; and

WHEREAS, Services are anticipated to begin on January 1, 2019 and end on January 1, 2029 and the total duration of this agreement is 10 years; and

WHEREAS, This Agreement does not constitute a "project" under California Environmental Quality Act (CEQA) Guidelines Section 15378 because there would be no physical change in the environment. At the time that specific projects are identified, environmental review will be undertaken. No project under this Agreement will proceed to construction prior to completion of any required CEQA documents and concurrence by the Planning Department; and

WHEREAS, Funds for this agreement are available at the time of approval of the MLA from Chart of Account Hetchy Cap & Trade Authority/Project ID 15404:10014665 and Transbay Authority/Project ID 15375:10014244; now, therefore, be it

RESOLVED, That this Commission hereby authorizes the General Manager of the SFPUC to execute a MLA with the SFUSD for Energy Efficiency Project Services at selected SFUSD sites, and with a total duration of 10 years; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager over the term of the agreement to agree to non-material changes to the agreement that are consistent with the purpose and objectives of the agreement.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Glenn Shook

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0212

WHEREAS, water supply agencies in Alameda, San Mateo and Santa Clara Counties have purchased water from the City and County of San Francisco (San Francisco) for many years; and

WHEREAS, the San Francisco Public Utilities Commission (SFPUC or Commission) Water Enterprise operates the Regional Water System, which delivers water to communities in Alameda, San Mateo and Santa Clara Counties, as well as to customers within San Francisco (collectively, "the Parties"); and

WHEREAS, the Parties entered into the "Settlement Agreement and Master Water Sales Contract between the San Francisco and Certain Suburban Purchasers in San Mateo County, Santa Clara County and Alameda County" in 1984; and

WHEREAS, in April 2003, water supply agencies in Alameda, San Mateo and Santa Clara Counties established the Bay Area Water Supply and Conservation Agency (BAWSCA), as authorized by Water Code Section 81300 *et seq.*; and;

WHEREAS, upon expiration of the 1984 "Settlement Agreement and Master Water Sales Contract," the Parties entered into the "Water Supply Agreement between San Francisco and Wholesale Customers in Alameda County, San Mateo County, and Santa Clara County" ("Water Supply Agreement") on July 1, 2009, authorized by SFPUC Resolution No. 09-0069 dated April 28, 2009; and

WHEREAS, through SFPUC Resolution No. 08-0200, San Francisco approved the Water System Improvement Program (WSIP) to upgrade San Francisco's regional and local water system and achieve Level of Service Goals and Objectives, which include meeting average annual water demand of 265 million gallons per day (mgd) through 2018; reevaluation of forecasted 2030 Regional Water System demand projections and water supply options by 2018, and SFPUC decision in 2018 regarding Regional Water System deliveries after 2018; and meeting dry year delivery needs while limiting rationing to a maximum of twenty percent system wide during droughts; and

WHEREAS, prior to approval of the WSIP, the San Francisco Planning Department prepared a Program Environmental Impact report (PEIR) for the WSIP in compliance with the California Environmental Quality Act (CEQA) and the San Francisco Planning Commission certified the WSIP Final PEIR in Planning Commission Motion No. 17734; and

WHEREAS, in its Resolution 08-0200, this Commission reviewed and considered the WSIP PEIR and made findings about the identified significant impacts, mitigation measures and alternatives, as well as a statement of overriding considerations, as required by CEQA, and adopted a Mitigation Monitoring and Reporting Program as part of its approval of the WSIP; and

WHEREAS, subsequent to the certification of the WSIP PEIR, the San Francisco Planning Department conducted more detailed, site-specific review of two of the significant and unavoidable water supply impacts identified in the WSIP PEIR. In the case of ***Impact 5.5.5.-1***, the project-level fisheries analysis in the Lower Crystal Springs Dam Improvement Project Final EIR modified the WSIP PEIR impact determination based on more detailed site-specific data and analysis and determined that impacts on fishery resources due to inundation effects would be less than significant, and the SFPUC adopted CEQA Findings with respect to the approval of the Lower Crystal Springs Dam Improvement Project in Resolution No. 10-0175. In the case of ***Impact 5.4.1-2***, also identified in the WSIP PEIR, the project level analysis in the Calaveras Dam Replacement Project Final EIR modified the WSIP PEIR determination and concluded that the impact related to stream flow along Alameda Creek between the diversion dam and the confluence with Calaveras Creeks would be less than significant based on more detailed, site-specific modeling and data. The SFPUC adopted CEQA Findings with respect to the approval of the Calaveras Dam Improvement Project in Resolution No. 11-0015; and

WHEREAS, the CEQA Findings in SFPUC Resolution No. 10-0175 and the CEQA Findings in SFPUC Resolution No. 11-0015 related to the impacts on fishery resources due to inundation effects are incorporated into these findings by this reference, as though fully set forth in these CEQA Findings; and

WHEREAS, the Environmental Review Officer concluded that the analysis contained in the WSIP PEIR, as updated in the Lower Crystal Springs Dam Improvement Project Final EIR and the Calaveras Dam Replacement Project Final EIR, remains adequate for purposes of this approval action because there are no substantial changes proposed in the WSIP that was approved in 2008, and there are no substantial changes in circumstances that would require major revisions to the WSIP PEIR due to the involvement of new significant environmental

effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the WSIP PEIR and this determination is included in San Francisco Public Utilities Commission File; and the Amendments to the Water Supply Agreement also are not defined as a "project" under CEQA because the amendments do not result in any physical changes to the environment that are different than those considered in the 2009 Water Supply Agreement; and

WHEREAS, this Commission has reviewed the WSIP PEIR, the Mitigation Monitoring and Reporting Program, the Findings contained in SFPUC Resolution Nos. 08-0200, 10-0175, and 11-0015 as well as the written and oral analysis provided by SFPUC experts and the memorandum dated November 19, 2018, prepared by the SFPUC Bureau of Environmental Management and with the concurrence by the Environmental Review Officer on November 2018; and

WHEREAS, the WSIP PEIR files and the Lower Crystal Springs Dam Improvement Project Final EIR and the Calaveras Dam Replacement Project Final EIR files have been made available for review by the SFPUC and the public, and those files are part of the record before this Commission; and

WHEREAS, the Planning Department Jonas Ionin, is the custodian of records, located at 1650 Mission Street, Fourth Floor, San Francisco, California for the Planning Department CEQA files, and the SFPUC, Donna Hood, is the custodian of records for this approval action, at 525 Golden Gate Avenue, 13th Floor, San Francisco, California; and

WHEREAS, the Parties desire to adopt an amended and restated Water Supply Agreement in order to (1) change the classification of certain Hetch Hetchy Water and Power capital projects, adjusting the amount of capital funding to be provided towards these projects by the Parties and the SFPUC Power Enterprise through the term (June 30, 2034) of the Water Supply Agreement; (2) extend the estimated timing of the completion of the WSIP to reflect the currently adopted program completion date, as well as improve the exchange of information between the Parties related to the SFPUC's capital programs; (3) clarify the cost allocation and water accounting provisions used for the SFPUC's Groundwater Storage and Recovery Project approved on August 12, 2014 in Commission resolution no. 14-0127; (4) modify provisions related to the SFPUC's administration of the Wholesale Capital Fund to more closely align with the historic rate of capital project spending by the SFPUC and prevent volatility in the annual determination of the Wholesale Revenue Requirement; (5) adjust the provisions of the Water Shortage Allocation Plan regarding the initial allocation of water during shortages between

SFPUC Retail and Wholesale Customers; and (6) extend the December 31, 2018 deadline for the SFPUC to complete a water supply planning process and decide whether or not to (a) grant permanent customer status to the cities of San Jose and Santa Clara, dedicating a permanent share of the SFPUC water supply to these two wholesale customers, who currently have temporary, interruptible status, and (b) increase the 184 mgd Supply Assurance created as a permanent dedication of water supply in the 1984 "Settlement Agreement and Master Water Sales Contract" and carried forward into the 2009 Water Supply Agreement; and

WHEREAS, when the SFPUC approved the WSIP in its Resolution No. 08-0200, it allowed all of the WSIP projects to move forward, to ensure continued delivery of water in accordance with adopted level of service goals for water quality, seismic reliability and delivery reliability, but deferred the question of additional water supply development by creating an Interim Supply Limitation of 265 mgd average annual deliveries for surface water supplies from the Tuolumne River and the SFPUC's Alameda and Peninsula watersheds, plus an additional 20 mgd of local resource development such as recycled water and groundwater within the Regional Water System service area; and

WHEREAS, in approving the WSIP in Resolution No. 08-0200 on October 30, 2008, the SFPUC anticipated a reevaluation of long-term demand projections, potential regional system demand (purchase requests), and water supply options by the end of 2018, followed by SFPUC decisions in 2018 regarding whether or not to increase the Supply Assurance and to assign permanent status to the cities of San Jose and Santa Clara (collectively, "the 2018 Decisions"); and

WHEREAS, on October 30, 2008 the Commission also approved selected Water Supply Elements for the Water Supply Agreement as part of its approval of the WSIP in Commission Resolution No. 08-0201, finding that the Water Supply Elements were consistent with the WSIP approved in Resolution No. 08-0200, resulting in the incorporation of the Interim Supply Limitation into Article 4 of the Water Supply Agreement; and

WHEREAS, the SFPUC's December 4, 2017 Water Supply Development Report issued in accordance with section 4.05 of the Water Supply Agreement concluded that it is not necessary to issue a conditional notice of termination or reduction in service to San Jose and Santa Clara because total wholesale demands (including San Jose and Santa Clara, who are not included in the 184 mgd Supply Assurance) are estimated to be 173.9 mgd in 2040, which, in addition to forecasted retail demands, will not exceed the Interim Supply Limitation; and

WHEREAS, in light of (1) continued regulatory uncertainty regarding the outcome of the Don Pedro Federal Energy Regulatory Commission relicensing proceeding; (2) continued regulatory uncertainty regarding the outcome of the California State Water Resources Control Board's Lower San Joaquin River Water Quality Control Plan, which may be subject to change as a result of negotiations between the City, the State of California, environmental stakeholders and other water right holders; (3) ongoing review of water system operations due to climate change; and (4) lower than expected water demands following the 2011-2015 drought, it would not be a prudent use of ratepayer funding to embark on a large scale water supply development program in order to make the 2018 Decisions at this time; and

WHEREAS, the Parties recognize that, both before and after the most recent statewide drought, after meeting drought-related conservation mandates, several BAWSCA member agencies were unable to meet their respective minimum purchase requirements described in Article 3.07 of the Water Supply Agreement, which requires payment for water below the required minimum purchase level even if such water is not delivered and used; and

WHEREAS, BAWSCA and San Francisco have identified intra system water transfers in general as one potential solution to long-term water reliability needs among the Wholesale Customers, and Section 3.04 of the Water Supply Agreement provides a simplified process for permanent Individual Supply Guarantee (ISG) transfers among certain Wholesale Customers; and

WHEREAS, several of the Wholesale Customers with minimum purchase requirements might be interested in transferring water within their respective ISGs, if doing so would also reduce their minimum purchase requirements and corresponding financial impact of paying for water that is not used; and

WHEREAS, the Parties to the Water Supply Agreement have a collective interest in working to promptly identify a resolution to this as part of a future contract amendment; and

WHEREAS, BAWSCA and San Francisco will begin discussions to address this issue commencing in January 2019; and

WHEREAS, San Francisco's currently adopted WSIP program completion date is December 30, 2021; and

WHEREAS, one of the remaining final projects in the WSIP, the Alameda Creek Recapture Project, is the subject of a revised environmental impact report that has not yet been published for public review and comment; and

WHEREAS, on April 3, 2018, the Wholesale Customers provided formal comment to the SFPUC, as part of its action to adopt the most recent WSIP completion date, that the proposed WSIP completion date and accompanying construction schedule extension date for the Alameda Creek Recapture Project to December 30, 2021, may not be sufficient to accommodate any project modifications that might be necessary as a result of the ongoing revised environmental analysis, increasing uncertainty associated with the adequacy of the Project schedule as proposed by the SFPUC; and

WHEREAS, the SFPUC has indicated that its Hetch Hetchy Local Simulation Model (HHLSM) hydrologic modeling identifies the supply yield anticipated by the Alameda Creek Recapture Project as critical to achieving and maintaining drought year reliability and achieving the WSIP Water Supply Level of Service Goal; and

WHEREAS, the Wholesale Customers acknowledge that the Alameda Creek Recapture Project cannot proceed to construction until environmental review under CEQA is successfully completed, and the past practice of BAWSCA has been to support extensions of individual WSIP project schedules and overall WSIP scheduled completion, including past extensions for the Alameda Creek Recapture Project, if supported by technical and other analysis as necessary to successfully complete the project and achieve project objectives; and

WHEREAS, BAWSCA intends to act in a manner that represents the best interests of all of its member agencies' water supply while avoiding any harm alleged by any one member agency's water supply as a result of any future action by SFPUC; and

WHEREAS, the Wholesale Regional Water System Security and Reliability Act (AB 1823, Water Code Section 73500 *et seq.*) continues the Legislature's oversight of SFPUC's implementation of the regional projects included in WSIP through January 1, 2022; and

WHEREAS, BAWSCA intends to ask the Legislature again to extend its oversight of the WSIP program in anticipation of the SFPUC's need to extend the WSIP completion date to accommodate individual project schedules with reasonable delays, such as the Alameda Creek Recapture Project; now, therefore, be it

RESOLVED, that this Commission finds that the analysis contained in the WSIP PEIR, as updated by the Lower Crystal Springs Dam Improvement Project Final EIR and the Calaveras Dam Replacement Project Final EIR, remains adequate for purposes of this approval action because there are no substantial changes proposed in the WSIP that was approved in 2008, and there are no substantial changes in circumstances that would require major revisions to the WSIP PEIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the WSIP PEIR, for the reasons set forth in the SFPUC Bureau of Environmental Management memorandum dated November19, 2018, and the Environmental Review Officer concurrence dated November 20, 2018; and be it further

RESOLVED, that this Commission finds that the Mitigation Monitoring and Reporting Program adopted in its Resolution No. 08-0200 remains applicable to the WSIP, not-yet-completed WSIP projects and on-going WSIP water supply actions, and adopts such Program as applicable to this Water Supply Agreement and any actions undertaken pursuant to such Agreement; and be it

FURTHER RESOLVED, That this Commission adopts the Findings contained in SFPUC Resolution No. 08-0200, and the findings set forth in SFPUC Resolution Nos. 10-0175, and 11-0015 insofar as such subsequent findings modify the environmental impact findings contained in Resolution No. 08-0200, and incorporate those findings in this Resolution as though set forth in their entirety; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to approve any necessary technical amendments or corrections to the amended and restated Water Supply Agreement that the General Manager, in consultation with the City Attorney, determines are in the best interests of the SFPUC, do not materially decrease the benefits to the SFPUC, and do not materially increase the obligations or liabilities of the SFPUC; and be it

FURTHER RESOLVED, that the Commission approves the modifications included in the amended and restated Water Supply Agreement.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Wood

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0213

WHEREAS, The San Francisco Public Utilities Commission manages a complex water supply system stretching from the Sierra Nevada to San Francisco featuring a series of reservoirs, tunnels, pipelines, and treatment systems; and

WHEREAS, The SFPUC is the third largest municipal utility in California, serving 2.7 million residential, commercial, and industrial customers in the Bay Area, and approximately one-third of the delivered water goes to retail customers in San Francisco, while wholesale deliveries to 26 wholesale water suppliers in Alameda, Santa Clara, and San Mateo counties comprise the other two-thirds; and

WHEREAS, The Regional Water System consists of water treatment facilities, water transmission infrastructure, and watersheds and Rights-of-Way lands in San Mateo, Santa Clara, and Alameda Counties, as well as western San Joaquin County, and also includes numerous assets in San Francisco that are operated in conjunction with the regional system; and

WHEREAS, The Local Water System consists of water storage and treatment facilities; water transmission infrastructure; and various lands in the City and County of San Francisco as well as several other small retail systems in Alameda, Santa Clara and San Mateo Counties where the SFPUC sells water directly to various customers; and

WHEREAS, The Local Water System includes the Auxiliary Water Supply System used for fire suppression in San Francisco and developer-funded assets that have been conveyed to the SFPUC; and

WHEREAS, The Regional and Local Water System Capital Improvement Programs (Regional and Local Water CIPs) are 10-year plans of projects and activities to physically improve the system and maintain level of service goals which are updated each year and integrated with the SFPUC's Financial Plan and rate-setting; and

WHEREAS, The capital planning process is used to inform the Regional and Local Water CIPs with updates to master plans, asset condition assessments, and review of levels of service; and

WHEREAS, There are six programs in the Regional Water CIP and seven programs in the Local Water CIP, in addition to a separate set of programmatic projects for each of the Regional and Local Water CIPd used for feasibility planning, for future capital projects, and for implementation of permit compliance activities; and

WHEREAS, Projects in the Regional or Local Water CIPs move from the planning, design, and environmental review stage to implementation when Project Approval occurs through an action by the Commission, usually at the same time CEQA findings are adopted, and

the Commission also makes decisions about a project's scope, budget, schedule, or necessity during annual review and approval of the CIP; and

WHEREAS, Budget modifications or establishment of a new project outside of the annual CIP process for any active project requires approval of the Assistant General Manager for the Water Enterprise to become the new Approved Budget for a project without return to the Commission until the next annual CIP review process; and

WHEREAS, The SFPUC staff have undertaken an extensive assessment to fully evaluate projects over $5 million that are currently active or will be activated within FY2018-2019 or FY2019-2020 are and their scope, schedule, and forecast cost in the Regional and Local Water CIPs, resulting in the attached Water Enterprise Capital Improvement Program (WECIP) 2018 Proposed Baseline, which is intended to establish a basis to measure project performance reporting for the Regional and Local Water CIPs and which will also provide greater clarity to the public, the Bay Area Water Supply and Conservation Agency, and this Commission; and

WHEREAS, The WECIP 2018 Proposed Baseline is consistent with the latest SFPUC Ten-Year Capital Plan (FY 2018-19 to FY 2027-2028) approved by the Commission on February 13, 2018 by Resolution 18-0024; and

WHEREAS, Nothing in this resolution commits, or shall be deemed to commit the SFPUC to approve any proposed project until environmental review of the project has been completed as required under the California Environmental Quality Act. This Commission shall have the absolute discretion before approving such projects to: (i) make such modifications as may be necessary to mitigate significant environmental impacts; (ii) select other feasible alternatives to avoid or substantially reduce significant environmental impacts; (iii) require the implementation of specific measures to mitigate any specific impacts; (iv) balance the benefits against significant environmental impacts before taking final action if such significant impacts cannot otherwise be avoided; or (v) determine whether or not to proceed with such projects; now, therefore, be it

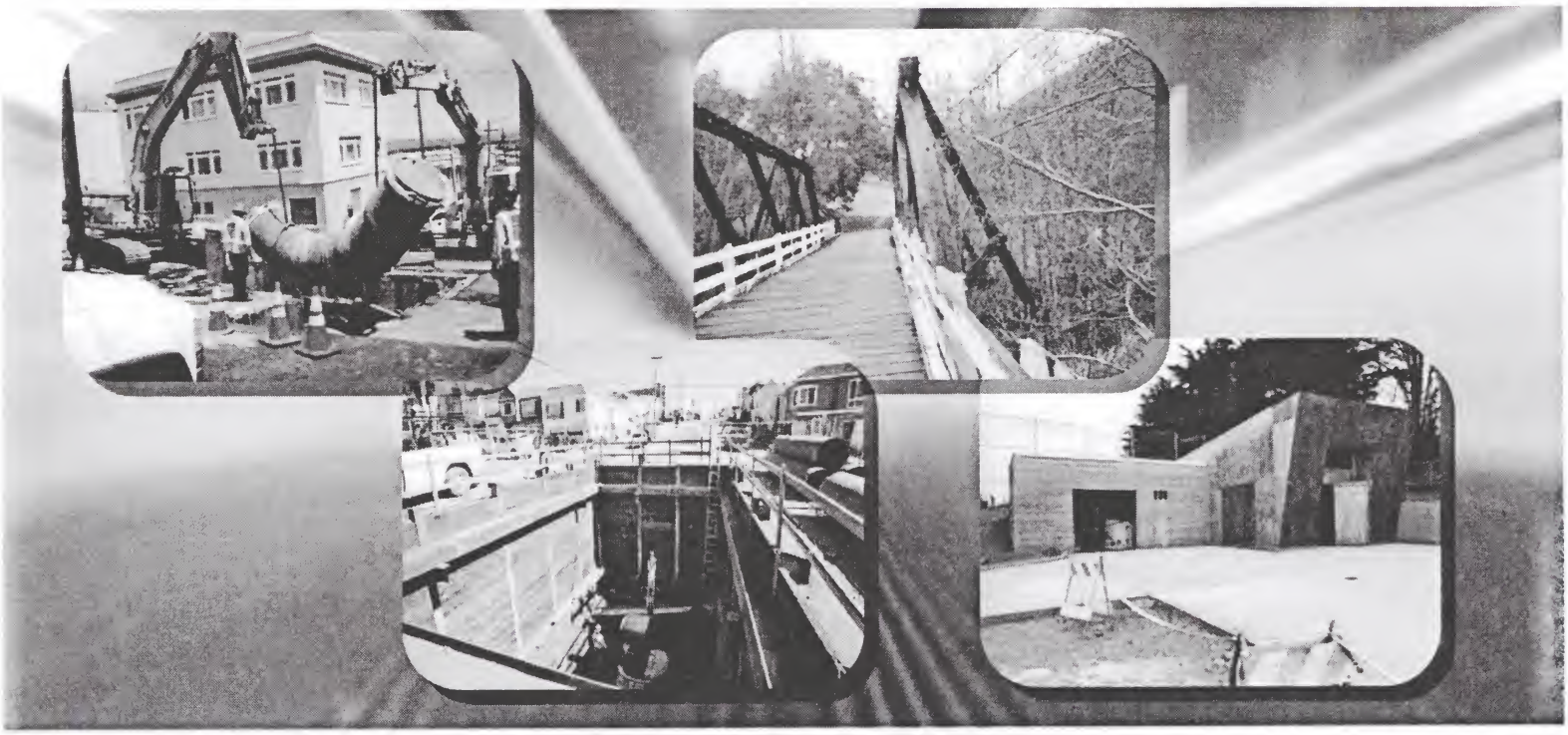
RESOLVED, That the San Francisco Public Utilities Commission hereby approves the Water Enterprise Capital Improvement Program 2018 Proposed Baseline for individual projects over $5 million that are currently active or are currently intended to be active within FY2018-2019 or FY2019-2020, which is attached hereto and incorporated by reference herein.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Water Enterprise Capital Improvement Program
2018 PROPOSED BASELINE



San Francisco Public Utilities Commission

December 11, 2018

Table of Contents

LIST OF ACRONYMS

1.0 INTRODUCTION 1

1.1 Program Overview 1

1.2 10-Year Water Enterprise Regional and Local Capital Improvement Plan 2

2.0 PROJECT STATUS 4

3.0 PROPOSED SCOPE, SCHEDULE AND BUDGET BASELINE 5

REGIONAL PROJECTS 5

Water Treatment 5

10032938 - SVWTP Powdered Activated Carbon Feed Units (CUW27202) 5

10033123 - SVWTP Ozone (CUW27202) 6

Water Transmission 6

CUW2730404 - SAPS Motor Control Centers 6

CUW2730503 - Peninsula Pipelines Seismic Upgrade Phase III 6

CUW2730504 - SAPL2 Lockbar Replacement 7

CUW2730505 - CSPL2 Rehabilitation Reaches 2 and 3 7

CUW27305CS5 - CSPL2 Rehabilitation Reach 5 – (New Project) 7

Water Supply & Storage 7

CUW2740102 - Pilarcitos Dam and Reservoir Improvements 7

CUW2740103 - San Andreas Dam Facility Improvements 8

CUW27401TD - Turner Dam and Reservoir Improvements – (New Project) 8

CUW27404DC - Daly City Recycled Water – (New Project) 8

CUW27405MM - Merced Manor Reservoir Facilities Repairs – (New Project) 8

CUW2740600 - Potable Reuse & Other Supplies 9

Watershed & Lands Management 9

CUW2751801 - Southern Skyline Blvd Ridge Trail Extension 9

Buildings and Grounds 9

10033555 - Rollins Road Building Renovations (CUW27703) – 9

CUW27701 - Sunol Long Term Improvements 10

CUW2770304 - Millbrae Yard Laboratory and Shop Improvements 10

LOCAL PROJECTS 11
Local Water Conveyance/Distribution System 11
CUW26308 - Town of Sunol Fire Suppression System 11
CUW28000 - Local Water Conveyance/Distribution System 11
10033816 - Westside Potable Auxiliary Water Supply System – (New Project) 11
Local Water Supply 12
CUW30101 - Lake Merced Water Level Restoration 12
CUW30102 - San Francisco Groundwater Supply 12
CUW30201 - San Francisco Westside Recycled Water 12
Local Tanks/Reservoir Improvements 13
CUW28301 - College Hill Reservoir Outlet 13
Pump Stations 13
CUW28401 - McLaren Park Pump Station Upgrades – (New Project) 13
Buildings and Grounds 14
CUW28101 - Pacific Rod and Gun Club Remediation 14
CUW68800 - Buildings and Grounds Improvements 14
Automated Water Meter Program 15
CUW68601 - Automated Water Meter Program 15
Auxiliary Water Supply System 15
CUWAW2AW24- Pump Station #2 (ESER 2014) 15
CUWAW2AW29-44 - ESER 2014 Pipelines 16
CUWAW2AW30 - ESER 2014 Assessment (Completed) 16
CUWAWS WD-2685 - Reservoir and Tanks Improvements (Completed) 16
CUWAWSAW04 - Pump Station #2 16
CUWAWSAW05 - Pump Station #1 17
CUWAWSAW06-09 - Cisterns Construction – (Completed) 17
CUWAWSAW10 - Pipes, Cisterns, & Tunnels Study - (Completed) 17
CUWAWSAW11-19 - ESER 2010 Pipes/Tunnels Construction 17
APPENDIX A - Cost Summary of 2018 Proposed Baseline for WECIP 21
APPENDIX B – Proposed Project Level Schedules 23

LIST OF ACRONYMS

AAR	Alternative Analysis Report
AWMP	Automated Water Meter Program
AWSS	Auxiliary Water Supply System
BARDP	Bay Area Regional Desalination Project
BARR	Bay Area Regional Reliability
BHR	Bioregional Habitat Restoration
CCWD	Contra Costa Water District
CDD	City Distribution Division
CEQA	California Environmental Quality Act
CER	Conceptual Engineering Report
CGOBOC	Citizens' General Obligation Bond Oversight Committee
CIP	Capital Improvement Program
CPC	Capital Planning Committee
CSPL2	Crystal Springs Pipeline No.2
DCU	Data Collection Unit
DFI	Dam Facility Improvements
DPR	Direct Potable Reuse
DSOD	Division of Safety of Dams
EBMUD	East Bay Municipal Utility District
EBRPD	East Bay Regional Park District
EFWS	Emergency Firefighting Water System
EMB	Engineering Management Bureau
ESER	Earthquake Safety and Emergency Response
FCC	Federal Communications Commission
FY	Fiscal Year
GGNRA	Golden Gate National Recreation Area
HTWTP	Harry Tracy Water Treatment Plant
HVAC	Heating, Ventilation, and Air Conditioning
IPR	Indirect Potable Reuse
LTMPP	Long Term Monitoring Permit Program
MCC	Menlo Country Club
MG	Million Gallons
MGD	Million Gallons per Day
MOC	Management Oversight Committee (SF Public Works Department Head, SF Fire Department Chief, SFPUC General Manager, and SFPUC Water Enterprise Assistant General Manager)
MOU	Memorandum of Understanding
MW	Megawatt
NCCWD	North Coast County Water District
NPS	National Park Service
PAC	Powdered Activated Carbon
PAH	Polycyclic Aromatic Hydrocarbons
PGC	Presidio Golf Course
PREP	Potable Reuse Exploratory Plan
PRGC	Pacific Rod and Gun Club
PS	Pump Station
PUC	Public Utilities Commission
R&R	Renewals and Replacements
ROW	Right-of-Way
RWS	Regional Water System
SAD	San Andreas Dam
SAPL2	San Antonio Pipeline Number 2
SAPS	San Antonio Pump Station
SCADA	Supervisory Control and Data Acquisition
SCVWD	Santa Clara Valley Water District
SF	San Francisco
SFPUC	San Francisco Public Utilities Commission
SFPW	San Francisco Public Works (formerly SFDPW)
SVWTP	Sunol Valley Water Treatment Plant
TBD	To Be Determined
VFDs	Variable Frequency Drives
VRWSIPCS	Vegetation Restoration of Water System Improvement Program Construction Sites
WECIP	Water Enterprise Capital Improvement Program
WSIP	Water System Improvement Program
WSTD	Water Supply and Treatment Division
WTP	Water Treatment Plant

Page intentionally left blank

1.0 INTRODUCTION

1.1 PROGRAM OVERVIEW

The San Francisco Public Utilities Commission (SFPUC) Water Enterprise manages a complex water supply system stretching from the Sierra Nevada to San Francisco featuring a series of reservoirs, tunnels, pipelines, and treatment systems. Two unique features of this system stand out: the drinking water provided is among the highest quality in the world, and water deliveries are made to most customers without the use of power (gravity flow) while generating power at the same time.

The SFPUC is the third largest municipal utility in California, serving 2.7 million residential, commercial, and industrial customers in the Bay Area. Approximately one-third of the delivered water goes to retail customers in San Francisco, while wholesale deliveries to 26 suburban agencies in Alameda, Santa Clara, and San Mateo counties comprise the other two-thirds.

The Regional Water System consists of water storage and treatment facilities; water transmission infrastructure; and watersheds and Rights-of-Way (ROW) lands in San Mateo, Santa Clara, and Alameda Counties as well as western San Joaquin County. The Regional Water System also includes numerous assets in San Francisco that are operated in conjunction with the regional system. The Regional Water System Capital Improvement Program (Regional Water CIP) is a 10-year plan of projects and activities to physically improve the system, updated each year and integrated with the SFPUC's Financial Plan and rate-setting.

Annual updates to the Regional CIP also account for post-Water System Improvement Program (post-WSIP) conditions and include deferred projects not included in WSIP and new projects which are needed to continue meeting level of service goals.

The capital planning process is used to inform the CIP with updates to master plans, asset condition assessment, and review of levels of service.

There are six programs in the Regional CIP in addition to a separate set of programmatic projects used for feasibility planning, for future capital projects, and for implementation of permit compliance activities. The programs are:

- Water Treatment Program
- Water Transmission Program
- Water Supply & Storage Program
- Watershed & Lands Management Program
- Communications and Monitoring Program
- Buildings and Grounds Program

The Local Water System consists of water storage and treatment facilities; water transmission infrastructure; and various lands in the City and County of San Francisco as well as several other small retail systems in Alameda, Santa Clara and San Mateo Counties where the SFPUC directly retails to various customers.

Groundwater in San Francisco is under the jurisdiction of the SFPUC. The Westside Basin is the only viable aquifer for municipal use. Additionally, the Local Water System includes the Auxiliary Water Supply System used for fire suppression in San Francisco and developer-

funded assets that have been conveyed to the SFPUC. Several large assets located in San Francisco are not included in the Local Water System because these assets are Regional Water System assets. The Local Water System Capital Improvement Program (Local Water CIP) is a 10-year plan of projects and activities to physically improve the system and maintain level of service goals. This CIP is updated each year and integrated with the SFPUC's Financial Plan and rate-setting.

There are seven programs in the Local CIP in addition to a separate set of programmatic projects used for feasibility planning, for future capital projects, and for implementation of permit compliance activities. The programs are:

- Local Water Conveyance/Distribution System Program
- Local Water Supply Program
- Local Tanks/Reservoir Improvements
- Pump Stations
- Buildings and Grounds Program
- Automated Water Meter Program
- Auxiliary Water Supply System Program

A project is formally initiated (**Project Initiation**) when the planning process begins, a project manager is assigned, and the project's initial **Approved Budget** consistent with the most recently adopted Regional Water CIP is established.

A project moves from the planning, design, and environmental review stage to implementation when **Project Approval** occurs through an action by the Commission, usually at the same time CEQA findings are adopted. The Commission may also make decisions about a project's scope, budget, schedule, or necessity during annual review and approval of the CIP.

While a project is active, additional budget modifications outside of the annual CIP process or establishment of a new project require approval of the Assistant General Manager for the Water Enterprise. When and if these budget modifications occur, the modified budget becomes the new Approved Budget.

Outside of formal budget adjustments, the project manager regularly estimates and records the anticipated final project cost and schedule as the **Forecasted Cost** and **Forecasted Schedule**.

Modifications to scope or schedule must be approved by the Assistant General Manager for Water Enterprise with input from the project's **Technical Oversight Committee** which consists of managers within the Water Enterprise and Infrastructure Division. Final **Project Closeout** must be approved by the Assistant General Manager for Water Enterprise.

1.2 10-Year Water Enterprise Regional and Local Capital Improvement Plan

On February 13, 2018, the Commission approved the latest 10-Year Water Enterprise Regional and Local CIP for funding for FY2019-2028. This 10-Year CIP provides funding for active ongoing and newly developed projects with defined scope, budget, and schedule. The 10-Year CIP for FY2019-2028 also provides annual funding for various repair and replacement (R&R) programs to continue annual renewal and replacement of the aging-assets of the HHWP system.

SFPUC staff have recently fully evaluated the overall Regional and Local programs to develop a Water Enterprise Capital Improvement Program (WECIP) 2018 Proposed Baseline. The Baseline includes projects over $5 million and which are currently active or intended to be active within FY2018-2019 or FY2019-2020. The Baseline is intended to establish a basis from which to measure and report project performance for the Regional and Local Water Enterprise Programs and to offer greater clarity to the public, BAWSCA, and this Commission regarding the scopes, schedules, and budgets for individual projects meeting these criteria.

2.0 PROJECT STATUS

Significant progress has been made with the WECIP projects since the approvals of the 10-Year CIP for FY2016-2025. Table 2.1 shows the current status (reflected as the active phase) for each WECIP project. New projects funded in the 10-Year CIP for FY2019-2028 that are not yet started are included as "Projects Not Initiated". Since repair and replacement (R&R) projects consist of annually funded projects, only progress on WECIP projects with well-defined scopes, schedules and budgets are listed below.

Table 2.1 Water Enterprise Capital Improvement Programs*

PROJECTS NOT INITIATED	
Project No.	**Project Name**
10033816	Westside Potable Auxiliary Water Supply System
CUW27305CS5	CSPL2 Rehabilitation Reach 5
CUW27401TD	Turner Dam and Reservoir Improvements
CUW27404DC	Daly City Recycled Water
CUW27405MM	Merced Manor Reservoir Facilities Repairs
CUW28401	McLaren Park Pump Station Upgrades
PROJECTS IN PLANNING	
Project No.	**Project Name**
10033123	SVWTP Ozone (CUW27202)
10033555	Rollins Road Building Renovations (CUW27703)
CUW2730505	CSPL2 Rehabilitation Reach 2 and 3
CUW2740102	Pilarcitos Dam and Reservoir Improvements
CUW2740103	San Andreas Dam Facility Improvements
CUW2740600	Potable Reuse & Other Supplies
CUW2770304	Millbrae Yard Laboratory and Shop Improvements
CUWAW2AW24	Pump Station #2 (ESER 2014)
PROJECTS IN DESIGN	
Project No.	**Project Name**
CUW2730404	SAPS MCCs
CUW2730504	SAPL2 Lockbar Replacement
CUW2751801	Southern Skyline Blvd Ridge Trail Extension
CUW28301	College Hill Reservoir Outlet
CUW30101	Lake Merced Water Level Restoration
CUWAW2AW29-44	ESER 2014 Pipelines
PROJECTS IN BID & AWARD	
Project No.	**Project Name**
CUWAWSAW11-19	ESER 2010 Pipes/Tunnels Construction
PROJECTS IN CONSTRUCTION	
Project No.	**Project Name**
10032938	SVWTP Powdered Activated Carbon Feed Units (CUW27202)
CUW27701	Sunol Long Term Improvements
CUW30102	San Francisco Groundwater Supply
CUW30201	San Francisco Westside Recycled Water
CUW68601	Automated Water Meter Program
CUWAWSAW04	Pump Station #2
CUWAWSAW05	Pump Station #1

PROJECTS IN CONSTRUCTION (Cont'd)	
Project No.	**Project Name**
CUW28000	Local Water Conveyance/Distribution System
CUW68800	Buildings and Grounds Improvements
PROJECTS IN CLOSEOUT	
Project No.	**Project Name**
CUW26308	Town of Sunol Fire Suppression System
CUW2730503	Peninsula Pipelines Seismic Upgrade Phase III
CUW28101	Pacific Rod and Gun Club Remediation

*Status of projects as of June 30, 2018.

3.0 PROPOSED SCOPE, SCHEDULE AND BUDGET BASELINE

The proposed scopes, schedules, and budgets of WECIP projects are summarized in the following sections and in Table 3.1 for all individual projects over $5 million that are currently active or currently intended to be active within FY2018-2019 or FY2019-2020. If approved by the Commission, the proposed scopes, budgets, and schedules will be adopted as the new project baselines and will be reflected in the future Water Enterprise Capital Improvement Programs Quarterly Reports.

REGIONAL PROJECTS

Water Treatment

10032938 - SVWTP Powdered Activated Carbon Feed Units (CUW27202)

Project Description

The project intent is to construct a powdered activated carbon feed (PAC) system at SFPUC's Sunol Valley Water Treatment Plant (SVWTP) to provide an intermediate-term solution to control taste and odor (T&O) issues during Hetch Hetchy shutdowns. In recent years, SVWTP has experienced more frequent T&O events than had occurred historically. The T&O events result from by-products of algae growing naturally in San Antonio and Calaveras Reservoirs, the plant's primary water sources. The project scope includes a pair of concrete PAC tanks, their associated chemical feed system, and other related upgrades at the SVWTP headworks. Although project 10033123, SVWTP Ozone system, will provide a long-term solution to control T&O events, it will not be completed until the 2023 Hetch Hetchy shutdown. So in the interim, the PAC system will be in place for the upcoming Hetch Hetchy shutdowns. This project is a continuation of project CUW2720206, SVWTP Phase 3, under which the planning, design, environmental review and bid & award phases were performed, and those costs are not included in the budget numbers presented herein.

10033123 - SVWTP Ozone (CUW27202)

Project Description

In recent years, SFPUC's Sunol Valley Water Treatment Plant (SVWTP) has experienced more frequent taste and odor (T&O) events than had occurred historically. The cause of the T&O events has been geosmin and/or 2-methylisoborneol (MIB) which are by-products of algae growing naturally in San Antonio and Calaveras Reservoirs, SVWTP's primary water sources. In early December 2016, San Antonio Reservoir was the source of a major T&O event. In addition to this specific recent event, algal blooms have also generally increased in magnitude and frequency in Calaveras Reservoir due to its lower water levels related to the dam reconstruction project, the use of less effective algaecides, and certain environmental factors. The algal blooms can occur at any time of year but are more likely in late spring and late autumn.

The project intent is to build an ozonation system that will provide a long-term solution to control T&O events encountered in the raw water supply from both the San Antonio and Calaveras Reservoir sources. The work will include installation of cryogenic oxygen tanks, liquid oxygen vaporizers, ozone generators, ozone injectors, an ozone contactor, an ozone building, an ozone destruct system, associated pumping/valving/piping/appurtenances, associated automatic controls, related facilities, an electrical building, site improvements, and offset power generation consisting of solar panels atop the treated water reservoir.

Water Transmission

CUW2730404 - SAPS Motor Control Centers

Project Description

The San Antonio Pump Station (SAPS) is one of the key facilities in the Sunol Valley, and was constructed in 1965 and modified in 1990. The existing motor control centers MCC-A, MCC-B, and MCC-C have been in service since the 1960's and they are approaching the end of their useful life. In order to maintain reliable operation at SAPS, the existing MCCs are being replaced and facility walls are being seismically retrofitted. In order to accommodate the retrofit work, the communications system is being relocated to an adjacent room and the HVAC will be replaced in affected rooms.

CUW2730503 - Peninsula Pipelines Seismic Upgrade Phase III

Project Description

This project completes the seismic reliability improvements to pipelines in the Peninsula geographic region leading to terminal reservoirs within the City of San Francisco. WD-2727 Phases I & II of the seismic reliability improvements project were completed under WSIP. Phase III is a non-WSIP project, and includes new isolation valves on San Andreas Pipeline No. 2 (SAPL2) at Belle Avenue and Junipero Serra Boulevard in San Francisco, and near 22nd Avenue and Sloat Boulevard in San Francisco. A new parallel pipeline will be installed within Sigmund Stern Grove in San Francisco to replace an approximately 580-foot segment of SAPL2.

CUW2730504 - SAPL2 Lockbar Replacement

Project Description

San Andreas Pipeline No. 2 (SAPL2) provides key water supply redundancy from the Harry Tracy Water Treatment Plant (HTWTP) to the Sunset Reservoir. The lock bar steel sections of SAPL2 between the HTWTP and the Golden Gate National Cemetery are almost 90 years old, pitted, deteriorated, and in need of replacement. This project will replace/rehabilitate approximately 6,500 linear feet of SAPL2 in the City of San Bruno. In addition, as part of this project, two valves will be installed on SAPL1 and CSPL2 near the Baden Valve Lot to improve access to these pipelines.

CUW2730505 - CSPL2 Rehabilitation Reaches 2 and 3

Project Description

Crystal Springs Pipeline No. 2 (CSPL2) spans from Crystal Springs Pump Station to University Mound Reservoir. It delivers potable and emergency water supply to San Francisco and several cities along the Peninsula. Reaches 2 and 3 of CSPL2 in the Town of Hillsborough, unincorporated areas of San Mateo County, the City of San Mateo, and the City of Burlingame are over 80 years old and deteriorated with Reach 2 located on slopes that are eroding and Reach 3 containing extensive lining failures. This project would realign Reach 2 to the existing abandoned CSPL1 alignment, replace the coal tar lining of Reach 3, and improve access to the pipeline.

CUW27305CS5 - CSPL2 Rehabilitation Reach 5 – (New Project)

Project Description

Crystal Springs Pipeline No. 2 (CSPL2) runs from Crystal Springs Pump Station to University Mound Reservoir. It delivers potable and emergency water supply to San Francisco and to several cities along the peninsula. Reach 5 of CSPL2 in the Cities of South San Francisco and San Bruno is over 80 years old and has extensive lining failures. This project would replace the coal tar lining, and would also improve access and shutdown flexibility for maintenance by installing manway structures and valves on CSPL2 and San Andreas Pipeline No. 1 (SAPL1) near Baden Pump Station.

Water Supply & Storage

CUW2740102 - Pilarcitos Dam and Reservoir Improvements

Project Description

This project is to address concerns regarding the seismic stability of the Pilarcitos Dam and Reservoir facilities and to perform necessary upgrades identified during the Planning Phase. The primary objectives are to perform a condition and needs assessment of the dam and forebay outlet structure, outlet tunnel, and outlet pipeline as requested by the California Division of Safety of Dams (DSOD); to develop retrofit options if required; and to implement the chosen option. Secondary objectives are to perform the same evaluation and implementation for the spillway.

CUW2740103 - San Andreas Dam Facility Improvements

Project Description

This project is to address concerns regarding the condition of the San Andreas Dam facility and to perform necessary upgrades identified during the Planning Phase. This project includes CUW2740103 (10015092) San Andreas Dam Facility Improvements (DFI), San Andreas Dam (SAD) Spillway 1003237, and a new project to assess the SAD embankment. San Andreas DFI project addresses the emergency drawdown outlets, as directed by the California Division of Safety of Dams (DSOD). The SAD Spillway project performs a spillway condition assessment mandated by DSOD and also budgets for the spillway replacement, if that should be required. The third project is the SAD embankment assessment for seismic stability associated with potential alluvium underneath the embankment. Construction of the emergency drawdown outlets will precede any potential upgrades to the spillway and/or embankment.

CUW27401TD - Turner Dam and Reservoir Improvements – (New Project)

Project Description

This project addresses the Turner Dam spillway condition assessment, and the repair of the erosion downstream of the spillway, as directed by California Division of Safety of Dams (DSOD). The project also is budgeted for the spillway replacement, if that should necessary.

CUW27404DC - Daly City Recycled Water – (New Project)

Project Description

The Daly City Recycled Water Expansion Project was originally envisioned and planned under Local Water CUW278 (Other Recycled Water Projects). Planning for this and other recycled water projects was completed and identified in the Local CIP. Currently, the Daly City Recycled Water Expansion Project water delivery capacity is envisioned to help offset groundwater pumping in the Westside Basin and potential demands from the Regional Water System (RWS). The SFPUC is working with Daly City's North San Mateo County Sanitation District, Cal Water, the Town of Colma and potential customers to treat, transmit, store and deliver up to 3 million gallons per day (MGD) of additional recycled water supply. Facilities included in the project design consist of a new treatment facility co-located with Daly City's existing wastewater treatment plant, a transmission pipeline through Daly City and the Town of Colma, and a storage tank. Final design and construction of the project will be completed under the scope of this project once planning is completed in fiscal year 2019.

CUW27405MM - Merced Manor Reservoir Facilities Repairs – (New Project)

Project Description

The Merced Manor Reservoir was upgraded in 2004 to seismically strengthen and repair the roof structure and foundations. After the completion of the upgrade, spalling of concrete at various locations on the roof structure was observed over the years due to the constant temperature gradient experienced in the roof structure. The design of the seismic retrofit of Merced Manor Reservoir was done without the benefit of the lessons learned from later roof retrofits and construction at Sunset North Basin and University Mound North Basin where the effect of temperature load on the roof due to expansion and contraction was analyzed and designed to accommodate the temperature loading. The scope of this project includes performing structural analysis of the effect of temperature gradient on the existing roof structure design; developing design modifications of the roof structure to accommodate the expansion

and contraction loads; and construction of the roof modifications and repair of the spalled concrete.

CUW2740600 - Potable Reuse & Other Supplies

Project Description

The SFPUC is identifying opportunities and investigating the potential for purified water projects through direct and indirect potable reuse (DPR and IPR) processes. The SFPUC is participating in research and regulatory review statewide, and is working with other Bay Area water agencies to develop potential project opportunities for up to 15 mgd of drinking water with advanced treatment technologies for water needs anticipated within the planning horizon. Feasibility analyses and pilot efforts are anticipated to promote further development of purified water as a source of drinking water. The feasibility studies currently underway include the Bay Area Regional Reliability (BARR), Potable Reuse Exploratory Plan (PREP) Study Silicon Valley Clean Water, Evaluation of Purified Water Alternatives, and Los Vaqueros Expansion Opportunities. Additional opportunities are also being identified under this portfolio. Once one or more projects have been identified for planning to continue to move forward, pilot testing, environmental review, design, and construction phases will follow. The current funding will carry this work through the bid and award phase and cover a portion of the construction.

Watershed & Lands Management

CUW2751801 - Southern Skyline Blvd Ridge Trail Extension

Project Description

The Bay Area Ridge Trail project was started in 1987 by the Bay Area Ridge Trail Council to create an approximately 550-mile long continuous trail for hikers, mountain bicyclists, and equestrians along the ridgelines overlooking San Francisco Bay. This proposed extension project would construct a 6-mile long trail on the Peninsula Watershed in San Mateo County between Highway 92 and the Golden Gate National Recreation Area's (GGNRA) Phleger Estate. The project would consist of 10 to 12-foot wide, all-weather surface trails; retaining structures to stabilize cut and/or fill slopes; drainage facilities; a 15,000-square-foot parking lot accommodating up to 14 cars; two to three pre-fabricated restrooms along the trail; site security features; and landscape restoration. In addition, trailhead improvements on SFPUC lands will be analyzed with the goals to support trail users, enhance educational opportunities, and ensure watershed protection.

Buildings and Grounds

10033555 - Rollins Road Building Renovations (CUW27703) –

Project Description

The SFPUC purchased a property on Rollins Road in September 2017, securing an additional 10,000 square feet of office space for the SFPUC Water Enterprise (WE). The project is to

perform tenant improvements, facilitating the consolidation of WE work groups and the elimination of trailers at the SFPUC WE Administration Building. Renovation of the facility is required to create useable office space, a limnology laboratory, conference rooms, additional showers, and a workshop and library for Natural Resources Division (NRD). In addition, the project will address deferred building maintenance, replace the roof, upgrade security, HVAC, phone, and electrical systems, and build storage space.

CUW27701 - Sunol Long Term Improvements

Project Description

The project includes general redevelopment of the existing Sunol Yard and construction of a Watershed Center near the Sunol Water Temple. Replacement structures will be constructed for existing maintenance shops and equipment storage. New structures to be built include a fueling center, a new administration building, four new pre-fabricated shop buildings, approximately 40,000 square feet of covered storage for vehicles and materials, and a re-surfaced area for vehicle traffic. To create space and lower maintenance costs, six existing dilapidated structures will be demolished. Near the Sunol Water Temple, a 13,000-square foot Watershed Center will be constructed. Additionally, work will be completed on the main gate and road to the Sunol Water Temple. This project is comprised of the following related projects: CUW27701, Sunol Long Term Improvements, and CUW2630601, Sunol Master Plan Support.

CUW2770304 - Millbrae Yard Laboratory and Shop Improvements

Project Description

Additional laboratory space is needed to meet current water regulations and to provide WSTD operations improvements. There are four major components to this project: (1) the construction of a new 13,500 square-foot shop building for WSTD; (2) the construction of a new 2,000 square-foot WQD Lab addition; (3) conversion of the existing WSTD Operations Supervisor wing of the existing Administration Building into a WQD laboratory; and (4) Tenant Improvements to the existing Administration Building laboratory. The scope includes remodeling a portion of the Administration Building with WQ sample receiving room upgrades, reconfiguring a conference and flavor profile room, lab additions with extraction lab, a calibration room, relocating and reconfiguring WSTD space, adding two offices for WSTD, server room renovation, a new south shop with WSTD office space, security upgrades and site improvements.

LOCAL PROJECTS

LOCAL WATER CONVEYANCE/DISTRIBUTION SYSTEM

CUW26308 - Town of Sunol Fire Suppression System

Project Description

In 2010, the SFPUC committed to the implementation of a fire hydrant system for the Town of Sunol via an MOU with Alameda County. The project will involve construction of a fire hydrant system, including new pipelines, pump stations, monitoring equipment, and storage tanks. The project may be integrated into the existing local potable water system or may be independent.

CUW28000 - Local Water Conveyance/Distribution System

Project Description

This long-term renewal program consists of three major components:

1. Linear Assets Management Program: This program replaces and renews distribution system pipelines and customer service connections for the 1,230 miles of drinking water mains in San Francisco. Planning analysis has demonstrated a need to increase annual replacement rate from the previous 6 miles per year to a target of 15 miles per year to minimize main breaks and meet customer service goals of uninterrupted service. The FY14 approved budget was for replacement or renewal of 9 miles of pipe; FY15 approved budget was to renew 12 miles pipelines, and FY16 and subsequent years are funded to renew 15 miles per year for the next 10 years. Improvements include replacement, rehabilitation, re-lining, and cathodic protection of all pipe size categories to extend or renew pipeline useful life. Coordination with construction projects from other City agencies, especially SFPUC Wastewater and SFPW paving, is emphasized to optimize efficiencies, reduce costs, and minimize customer disruptions.

2. Renew Services: This program replaces assets between the water main and the customer's service connection at the end of their useful life, including: replacement of 1-inch to 8-inch diameter service pipes made of galvanized steel, lead, or plastic with copper or ductile iron; replacement of broken meter boxes and outdated meters and associated piping; and subsequent restoration of associated sidewalk and roadway.

3. New Services: This program provides materials and labor for installing new domestic, fire, and irrigation services charged as a one-time flat rate to new customers, and including related sidewalk and roadway restoration. No increase over time is anticipated.

10033816 - Westside Potable Auxiliary Water Supply System – (New Project)

Project Description

This project proposes to design and construct earthquake-resistant water pipeline in western San Francisco, particularly the Sunset and Richmond areas. This pipeline will connect to the existing potable water distribution system to help deliver water to businesses, institutions, and residences during normal operations. It will also be designed to provide high-pressure fire suppression water when needed after a major earthquake or other emergency. When so needed, it will be isolated from the remainder of the potable distribution system by strategically

located valves and can then be pumped to achieve pressures comparable to the existing conventional Auxiliary Water Supply System, which is located in other areas of San Francisco. This project also includes Lake Merced and Sunset Reservoir pump stations, which will increase water pressure when needed for fire suppression. Pipeline alignment, diameter, and related features will be determined during the planning phase, as will pump station schematic design. Phased construction scheduling and associated budgets will be determined in conjunction with finalizing these pipeline and pump station details.

Local Water Supply

CUW30101 - Lake Merced Water Level Restoration

Project Description

The project consists of two subprojects. (1) The City of Daly City is proposing and working in coordination with the SFPUC to implement the Vista Grande Drainage Basin Improvements project to address storm related flooding in the Vista Grande Watershed Drainage Basin while providing the benefit of restoring the level of Lake Merced. (2) In addition, the SFPUC is implementing a Demonstration Aeration Mixing Project to evaluate whether additional lake mixing might result in improved dissolved oxygen concentrations in the Lake.

CUW30102 - San Francisco Groundwater Supply

Project Description

This project consists of two phases, which combined will provide an annual average of 4 mgd of groundwater to San Francisco's municipal water supply. The first phase consists of building four new groundwater well stations in the western part of San Francisco. All four stations will include a building to house the well pump and electrical equipment, with two stations having an additional room to provide chemical disinfection. Buried piping will be installed to connect three of these well stations to the Sunset Reservoir. Groundwater from the fourth well station will be piped to the nearby Lake Merced Pump Station, where it will be distributed to both the Sunset Reservoir and Sutro Reservoir. The second phase consists of converting two existing irrigation well facilities in Golden Gate Park to groundwater supply wells, and would be implemented after completion of the CUW30201, San Francisco Westside Recycled Water Project. In the second phase buried piping will be installed to also connect these two wells to the Sunset Reservoir. Improvements to the facilities at the existing San Francisco Zoo Well No. 5 have been completed as part of the project, allowing this well to serve as an emergency potable water source.

CUW30201 - San Francisco Westside Recycled Water

Project Description

This project consists of a new recycled water treatment facility located at the SFPUC's existing Oceanside Plant, along with the associated distribution system components, to produce and deliver an annual average of approximately 2 mgd of recycled water to Golden Gate Park, Lincoln Park, and the Presidio. The treatment process includes membrane filtration, reverse

osmosis, and ultraviolet light disinfection. A new pump station and reservoir will be constructed in Golden Gate Park to deliver water to Lincoln Park and the Presidio. Approximately 8 miles of new recycled water pipeline connect the treatment facility to the new reservoir in Golden Gate Park, and also extends to the Lincoln Park and Presidio points of connection. The project also includes the retrofitting of the existing irrigation systems to bring them into compliance with Title 22 regulations. The treatment facility includes additional capacity to serve potential future customers, such as the SF Zoo.

Local Tanks/Reservoir Improvements

CUW28301 - College Hill Reservoir Outlet

Project Description

The College Hill Reservoir is located in San Francisco's Bernal Heights residential district and is a critical reservoir responsible for delivering water to the eastern and northern areas of San Francisco including General Hospital, Upper Market Street, Civic Center, and City Hall. The College Hill Reservoir, constructed in 1870 and San Francisco's oldest water reservoir, was seismically retrofitted in 2001. SFPUC is currently undertaking a phased program to improve the seismic reliability of the water distribution system from College Hill Reservoir to SF General Hospital to withstand a major seismic event. This project addresses essential seismic improvements within the reservoir including installation of a new control valve vault; replacement of reservoir inlet and outlet piping; reservoir roof replacement; miscellaneous piping, security, site access, electrical, instrumentation, and water quality improvements; and replacement of the first section of transmission pipelines for the College Hill system up to Cortland Avenue. This project is comprised of the following related projects: CUW28301, College Hill Reservoir Outlet, and CUW280PR09, College Hill Pipeline Improvements.

Pump Stations

CUW28401 - McLaren Park Pump Station Upgrades – (New Project)

Project Description

This project is to rebuild the McLaren Park Pump Station. This facility is the backup to the Alemany Pump Station and provides water to the McLaren Park Tanks. The project includes the demolition of the existing building, construction of a new reinforced concrete building with bridge crane, new pumps and motors, a fire sprinkler system, a new electrical system, a new standby generator and generator building, replacement of surge tanks, a new Lenel security system, new fencing, water quality monitoring, landscaping and other site work. The new pump station will be automated and operated through the existing Water SCADA system.

Buildings and Grounds

CUW28101 - Pacific Rod and Gun Club Remediation

Project Description

The City owns the property, and the SFPUC has exclusive jurisdiction over the property. The SFPUC leases the property to the Pacific Rod and Gun Club (PRGC) which has used it for skeet and trap shooting since 1934. Until 1994 and 2000 respectively, shotgun shells containing lead shot and clay pigeons containing polycyclic aromatic hydrocarbons (PAHs) were used on the property. Elevated concentrations of lead, PAHs, other heavy metals, and arsenic have been detected in site soil; of these, the detected concentrations of lead and PAHs are the primary constituents that contribute to potential human health risk at the site.

The SFPUC wants to preserve all options for future use of the property. Under this project, the SFPUC proposes to excavate and dispose of impacted soils at an approved landfill over a period of up to 50 weeks. This project includes planning, environmental review, excavation, and loading and offsite disposal of about 45,000 cubic yards of contaminated soils located throughout the property. Contaminated soils will be excavated to a depth of up to 7 feet below ground surface at various locations. Following removal of impacted soils, excavated areas will be backfilled with clean soil.

The project is needed to implement remediation of contaminated soils at the PRGC site in order to reduce soil contamination below applicable human health screening levels, and would enable future unrestricted safe reuse of the property. The project will also utilize technology, to the extent possible, in conformance with the SFPUC's technology policy (adopted on 7/24/12). Areas where technology may be used include: cost management, environmental impact assessment and resource management, and regulatory compliance.

CUW68800 - Buildings and Grounds Improvements

Project Description

This project covers capital improvements to City Distribution Division (CDD) non-operational facilities and structures, primarily benefitting the CDD corporate yard, to address health, safety, reliability, and security issues. This project will replace obsolete and inefficient HVAC equipment, improve office and warehouse efficiencies, and replace the underground Fueling Station, which has reached the end of its useful service life and poses an environmental risk. In addition, the program includes the construction of a future CDD Control Center (a seismically reliable building to house CDD's communications and control systems, with space for Operations, Administration, and Support staff), and as-needed improvements to ancillary facilities to reduce operating and maintenance costs, improve reliability to maintain routine and emergency operations of the potable and auxiliary water systems, and increase efficiency.

Automated Water Meter Program

CUW68601 - Automated Water Meter Program

Project Description

The Automated Water Meter Program (AWMP) will install meters with low-frequency radio signals to collect hourly water consumption data and transmit the data four times a day from residential and commercial customers to our billing system and to share with customers on our My Account Website. This will remove the need for physical field visits and manual meter reading. In addition to installation or retrofit of approximately 180,000 residential and commercial water meters in San Francisco, project implementation includes deployment of the data collection network of 84 data collection units (DCUs) and establishment of an FCC licensed private RF channel and a Verizon data connection for transmittal of the data from the meters to a network control computer. The network control computer will be equipped with software to collect and analyze the meter reading data interfaced to the SFPUC's billing system and My Account Website portals. The program also involves potential connection of Power Enterprise electric meters to the AWMP collection network.

Auxiliary Water Supply System

The current Auxiliary Water Supply System/Emergency Firefighting Water System (AWSS/EFWS) capital program is funded by Earthquake Safety and Emergency Response (ESER) 2010 and 2014 funds in the amounts of approximately $102.4 million and $54.5 million, respectively. The program contributes to quarterly reports provided to the SFPUC and to the Citizens' General Obligation Bond Oversight Committee (CGOBOC) via SF Public Works. The program is reviewed by the CGOBOC and the Capital Planning Committee (CPC) at meetings as scheduled. Individual project authorization and overall program direction is provided by the Management Oversight Committee (SF Public Works Department Head, SF Fire Department Chief, SFPUC General Manager, and SFPUC Water Enterprise Assistant General Manager) (MOC). Work includes new cistern construction; facilities improvements; pipeline inspection, replacement, and new construction; pipeline theoretical modeling; and tunnel repairs. Work is planned and designed in consultation with SFPUC's City Distribution Division and SF Fire Department. City and County of San Francisco (CCSF) employees and consultants provide project management, planning, design, and construction management and support services. Prominent university professors provide technical guidance and research documents to the program.

CUWAW2AW24- Pump Station #2 (ESER 2014)

Project Description

This project will provide seismic improvements to the Pump Station #2 building foundation, walls, and roof (the roof and skylights will be replaced). It will remove the rear portion of existing steam boilers while maintaining the front boiler facade. It will add fire sprinklers to the building and will construct an accessible work area and rest room, with associated electrical, mechanical, and plumbing work.

CUWAW2AW29-44 - ESER 2014 Pipelines

Project Description

These projects include construction of various pipelines using Earthquake Safety and Emergency Response (ESER) 2014 bond funds.

CUWAW2AW30 - ESER 2014 Assessment (Completed)

Project Description

This study will help decide which projects to pursue with Earthquake Safety and Emergency Response (ESER) 2014 bond funding among candidate projects derived from the AWSS Planning Study, considering the need for flexible water supply systems and taking into account CCSF obligations under various land development agreements. A Network Surge Analysis will also assess the potential for pressure surge conditions in the AWSS pipeline and recommend solutions if any such conditions are identified. Additional assessments will analyze the structural integrity of various AWSS components for seismic reliability.

CUWAWS WD-2685 - Reservoir and Tanks Improvements (Completed)

Project Description

Construction at Jones Street Tank will reinforce the connection between the existing 750,000-gallon water tank wall and foundation. It will improve the seismic capacity of pipes, fittings, supports, restraints, joints, valves, and related items from the tank to the valve house. It will add electric actuators on selected gate valves with Supervisory Control and Data Acquisition (SCADA) interface. It will replace valve house skylights and re-surface the roof. Work includes installing a micropile system to stabilize the tank foundation; adding a curb to better connect the tank wall to the foundation; and various other architectural, mechanical, and electrical improvements and repairs. Construction at Ashbury Heights Tank will replace the existing 500,000-gallon water tank and improve the seismic reliability of pipes, fittings, supports, restraints, joints, valves, and related items from the tank to the valve house. Work includes removing the existing riveted steel tank, installing drilled piers into rock for the foundation, and installing a new bolted, glass-fused steel tank of similar storage capacity. Construction at Twin Peaks Reservoir will improve the seismic reliability of pipes, valves, gates, and related items. Work also includes repairing miscellaneous concrete spall and cracks, replacing sluice gates and discharge screens, and replacing and motorizing selected gate valves.

CUWAWSAW04 - Pump Station #2

Project Description

This project will provide seismic improvements to the Pump Station #2 building foundation, walls, and roof (the roof and skylights will be replaced). It will remove the rear portion of existing steam boilers while maintaining the front boiler facade. It will add fire sprinklers to the building and will construct an accessible work area and rest room, with associated electrical, mechanical, and plumbing work.

CUWAWSAW05 - Pump Station #1

Project Description

This project will replace the seawater pump engines and engine controls. It will replace the existing pump room ventilation system to provide adequate combustion air and allow ambient air flow. The work includes installing four new diesel engines, a new backup power generator, engine controls with SCADA interface, new engine exhaust piping, and pump room ventilation; replacing seawater intake pipes; anchoring seawater pumps; and repairing the concrete slab supporting one of the pumps.

CUWAWSAW06-09 - Cisterns Construction – (Completed)

Project Description

This project will construct new cisterns for storage of water for firefighting.

CUWAWSAW10 - Pipes, Cisterns, & Tunnels Study - (Completed)

Project Description

Joint Venture Consultant AECOM/AGS provided planning support services for repair, improvement, and expansion of the AWSS pipelines, cisterns, and tunnels. The planning incorporated results of work by EMB for Twin Peaks Reservoir, Ashbury Heights Tank, Jones Street Tank, Pumping Station 1, and Pumping Station 2. The work also included planning-level assessment of the effects of proposed AWSS modifications on fire insurance premiums for property owners in San Francisco. The objective was to review existing configurations, analyze system hydraulics and water demands, and make recommendations for pipelines, control systems, cisterns, and seawater intake tunnels to optimize benefits to the AWSS, given the potential for seismic activity in the area. A critical goal of this work was to maximize the likelihood that the AWSS will effectively provide required fire suppression capabilities after a major seismic event.

CUWAWSAW11-19 - ESER 2010 Pipes/Tunnels Construction

Project Description

These projects include various pipeline and tunnel construction using Earthquake Safety and Emergency Response (ESER) 2010 bond funds.

Table 3.1: Summary of 2018 Proposed WECIP*

Project No.	Project Name	Proposed Start	Proposed Finish	Proposed Budget
WE CIP				**$2,233,112,574**
Regional Projects				**$630,994,000**
Water Treatment				**$123,600,000**
10032938	SVWTP Powdered Activated Carbon Feed Units (CUW27202)	04/16/18	12/18/19	$8,600,000
10033123	SVWTP Ozone (CUW27202)	06/27/17	09/09/24	$115,000,000
Water Transmission				**$133,255,000**
CUW2730404	SAPS MCCs	05/12/16	01/27/23	$7,200,000
CUW2730503	Peninsula Pipelines Seismic Upgrade Phase III	12/03/12	02/27/19	$11,653,000
CUW2730504	SAPL2 Lockbar Replacement	03/01/16	12/08/21	$45,642,000
CUW2730505	CSPL2 Rehabilitation Reaches 2 and 3	09/12/16	10/10/23	$55,920,000
CUW27305CS5	CSPL2 Rehabilitation Reach 5 *(New Project)*	12/03/18	11/30/22	$12,840,000
Water Supply & Storage				**$220,861,000**
CUW2740102	Pilarcitos Dam and Reservoir Improvements	04/07/14	09/05/25	$25,676,000
CUW2740103	San Andreas Dam Facility Improvements	12/11/13	04/20/27	$26,795,000
CUW27401TD	Turner Dam and Reservoir Improvements *(New Project)*	01/02/20	03/20/29	$11,150,000
CUW27404DC	Daly City Recycled Water *(New Project)*	10/01/19	09/19/25	$85,000,000
CUW27405MM	Merced Manor Reservoir Facilities Repairs *(New Project)*	07/01/19	02/28/24	$12,840,000
CUW2740600	Potable Reuse & Other Supplies	01/06/17	06/30/26	$59,400,000
Watershed & Lands Management				**$19,340,000**
CUW2751801	Southern Skyline Blvd Ridge Trail Extension	10/31/12	01/21/22	$19,340,000
Buildings and Grounds				**$133,938,000**
10033555	Rollins Road Building Renovations (CUW27703)	03/01/18	01/31/22	$17,878,000
CUW27701	Sunol Long Term Improvements	01/01/09	09/01/21	$91,684,000
CUW2770304	Millbrae Yard Laboratory and Shop Improvements	11/02/15	05/03/23	$24,376,000
Local Projects				**$1,602,118,574**
Local Water Conveyance/Distribution System				**$958,837,719**
CUW26308	Town of Sunol Fire Suppression System	01/01/09	06/28/19	$11,391,719
CUW28000	Local Water Conveyance/Distribution System	07/01/10	06/30/28	$902,664,000
10033816	Westside Potable Auxiliary Water Supply System *(New Project)*	01/02/19	06/30/28	$44,782,000
Local Water Supply				**$315,536,508**
CUW30101	Lake Merced Water Level Restoration	06/16/03	10/31/23	$32,667,508
CUW30102	San Francisco Groundwater Supply	06/16/03	03/30/21	$66,552,000
CUW30201	San Francisco Westside Recycled Water	03/03/03	03/28/22	$216,317,000
Local Tanks/Reservoir Improvements				**$16,317,000**
CUW28301	College Hill Reservoir Outlet	01/24/13	09/28/21	$16,317,000

Project No.	Project Name	Proposed Start	Proposed Finish	Proposed Budget
Pump Stations				**$18,000,000**
CUW28401	McLaren Park Pump Station Upgrades *(New Project)*	02/03/20	04/26/26	$18,000,000
Buildings and Grounds				**$66,441,989**
CUW28101	Pacific Rod and Gun Club Remediation	08/20/13	12/31/19	$17,406,989
CUW68800	Buildings and Grounds Improvements	10/01/08	06/30/28	$49,035,000
Automated Water Meter Program				**$70,238,149**
CUW68601	Automated Water Meter Program	03/02/09	03/17/21	$70,238,149
Auxiliary Water Supply System				**$156,747,209**
CUWAW200	2014 AUXILIARY WATER SUPPLY SYSTEM*	11/06/14	12/31/20	$2,244,549
CUWAW2AW24	Pump Station #2 (ESER 2014)	05/01/17	12/31/20	$14,630,332
CUWAW2AW29-44	ESER 2014 Pipelines	02/23/15	12/31/20	$35,642,615
CUWAW2AW30	ESER 2014 Assessment *(Completed)*	11/13/14	01/31/17	$1,186,194
CUWAWS WD-2685	Reservoir and Tanks Improvements *(Completed)*	04/01/11	05/31/17	$14,438,702
CUWAWS01	AUXILIARY WATER SUPPLY SYSTEM*	04/01/11	12/31/20	$2,103,528
CUWAWSAW04	Pump Station #2	04/01/11	12/31/20	$14,085,380
CUWAWSAW05	Pump Station #1	04/01/11	07/29/19	$15,129,505
CUWAWSAW06-09	Cisterns Construction *(Completed)*	04/01/11	06/29/18	$35,676,792
CUWAWSAW10	Pipes, Cisterns & Tunnels Study *(Completed)*	04/01/11	06/30/14	$2,739,289
CUWAWSAW11-19	ESER 2010 Pipes/Tunnels Construction	04/01/11	11/30/20	$18,870,323

* Includes projects greater than $5 million that are currently active or are scheduled to start in FY2018-19 or FY2019-20. The exception is that all the Auxiliary Water Supply System (AWSS) projects are shown in order to ensure consistency of reporting of AWSS projects with other reports.

Page intentionally left blank

Appendix A. Cost Summary of 2018 Proposed Baseline for WECIP

Project No.	PROJECT NAME	CONSTRUCTION COSTS (1)	DELIVERY COSTS (2)	OTHER COSTS (3)	TOTAL PROJECT COST
WE CIP					
Reional Projects		**$458,967,197**	**$170,807,803**	**$1,219,000**	**$630,994,000**
Water Treatment		**$91,561,830**	**$32,038,170**	**$0**	**$123,600,000**
10032938	SVWTP Powdered Activated Carbon Feed Units (CUW27202)	$6,561,830	$2,038,170	$0	$8,600,000
10033123	SVWTP Ozone (CUW27202)	$85,000,000	$30,000,000	$0	$115,000,000
Water Transmission		**$98,718,067**	**$34,294,933**	**$242,000**	**$133,255,000**
CUW2730404	SAPS MCCs	$4,741,000	$2,459,000	$0	$7,200,000
CUW2730503	Peninsula Pipelines Seismic Upgrade Phase III	$7,677,067	$3,955,933	$20,000	$11,653,000
CUW2730504	SAPL2 Lockbar Replacement	$36,800,000	$8,620,000	$222,000	$45,642,000
CUW2730505	CSPL2 Rehabilitation Reaches 2 and 3	$40,700,000	$15,220,000	$0	$55,920,000
CUW27305CS5	CSPL2 Rehabilitation Reach 5 *(New)*	$8,800,000	$4,040,000	$0	$12,840,000
Water Supply & Storage		**$165,013,400**	**$55,847,600**	**$0**	**$220,861,000**
CUW2740102	Pilarcitos Dam and Reservoir Improvements	$17,400,000	$8,276,000	$0	$25,676,000
CUW2740103	San Andreas Dam Facility Improvements	$16,280,000	$10,515,000	$0	$26,795,000
CUW27401TD	Turner Dam and Reservoir Improvements *(New)*	$7,359,000	$3,791,000	$0	$11,150,000
CUW27404DC	Daly City Recycled Water *(New)*	$71,500,000	$13,500,000	$0	$85,000,000
CUW27405MM	Merced Manor Reservoir Facilities Repairs *(New)*	$8,474,400	$4,365,600	$0	$12,840,000
CUW2740600	Potable Reuse & Other Supplies	$44,000,000	$15,400,000	$0	$59,400,000
Watershed & Lands Management		**$15,400,000**	**$3,940,000**	**$0**	**$19,340,000**
CUW2751801	Southern Skyline Blvd Ridge Trail Extension	$15,400,000	$3,940,000	$0	$19,340,000
Buildings and Grounds		**$88,273,900**	**$44,687,100**	**$977,000**	**$133,938,000**
10033555	Rollins Road Building Renovations (CUW27703)	$13,389,200	$3,936,800	$552,000	$17,878,000
CUW27701	Sunol Long Term Improvements	$58,384,700	$32,874,300	$425,000	$91,684,000
CUW2770304	Millbrae Yard Laboratory and Shop Improvements	$16,500,000	$7,876,000	$0	$24,376,000

Appendix A. Cost Summary of 2018 Proposed Baseline for WECIP

Project No.	PROJECT NAME	CONSTRUCTION COSTS (1)	DELIVERY COSTS (2)	OTHER COSTS (3)	TOTAL PROJECT COST
Local Projects		**$1,043,311,319**	**$555,583,252**	**$3,224,004**	**$1,602,118,574**
Local Water Conveyance/Distribution System		**$633,783,915**	**$325,053,804**	**$0**	**$958,837,719**
10033816	Westside Potable Auxiliary Water Supply System *(New)*	$26,869,200	$17,912,800	$0	$44,782,000
CUW26308	Town of Sunol Fire Suppression System	$6,914,715	$4,477,004	$0	$11,391,719
CUW28000	Local Water Conveyance/Distribution System	$600,000,000	$302,664,000	$0	$902,664,000
Local Water Supply		**$214,380,426**	**$97,932,079**	**$3,224,004**	**$315,536,508**
CUW30101	Lake Merced Water Level Restoration	$24,839,191	$7,644,508	$183,809	$32,667,508
CUW30102	San Francisco Groundwater Supply	$40,912,941	$24,858,507	$780,551	$66,552,000
CUW30201	San Francisco Westside Recycled Water	$148,628,294	$65,429,063	$2,259,643	$216,317,000
Local Tanks/Reservoir Improvements		**$14,284,000**	**$2,033,000**	**$0**	**$16,317,000**
CUW28301	College Hill Reservoir Outlet	$14,284,000	$2,033,000	$0	$16,317,000
Pump Stations		**$12,100,000**	**$5,900,000**	**$0**	**$18,000,000**
CUW28401	McLaren Park Pump Station Upgrades *(New)*	$12,100,000	$5,900,000	$0	$18,000,000
Buildings and Grounds		**$16,940,915**	**$49,501,075**	**$0**	**$66,441,989**
CUW28101	Pacific Rod and Gun Club Remediation	$11,623,859	$5,783,131	$0	$17,406,989
CUW68800	Buildings and Grounds Improvements	$5,317,056	$43,717,944	$0	$49,035,000
Automated Water Meter Program		**$61,723,209**	**$8,514,940**	**$0**	**$70,238,149**
CUW68601	Automated Water Meter Program	$61,723,209	$8,514,940	$0	$70,238,149
Auxiliary Water Supply System		**$90,098,855**	**$66,648,354**	**$0**	**$156,747,209**
CUWAW200	2014 AUXILIARY WATER SUPPLY SYSTEM*	$0	$2,244,549	$0	$2,244,549
CUWAW2AW24	PS 2 (ESER 2014)	$14,630,332	$0	$0	$14,630,332
CUWAW2AW29-44	ESER 2014 Pipelines	$12,651,003	$22,991,612	$0	$35,642,615
CUWAW2AW30	ESER 2014 Assessment *(Completed)*	$0	$1,186,194	$0	$1,186,194
CUWAWS WD-2685	Reservoir and Tanks Improvements *(Completed)*	$9,185,602	$5,253,100	$0	$14,438,702
CUWAWS01	AUXILIARY WATER SUPPLY SYSTEM*	$0	$2,103,528	$0	$2,103,528
CUWAWSAW04	Pump Station #2	$7,485,380	$6,600,000	$0	$14,085,380
CUWAWSAW05	Pump Station #1	$9,461,328	$5,668,177	$0	$15,129,505
CUWAWSAW06-09	Cisterns Construction *(Completed)*	$23,914,183	$11,762,609	$0	$35,676,792
CUWAWSAW10	Pipes, Cisterns & Tunnels Study *(Completed)*	$0	$2,739,289	$0	$2,739,289
CUWAWSAW11-19	ESER 2010 Pipes/Tunnels Construction	$12,771,027	$6,099,296	$0	$18,870,323
	WECIP Program Total	**$1,502,278,516**	**$726,391,055**	**$4,443,004**	**$2,233,112,574**

NOTES:

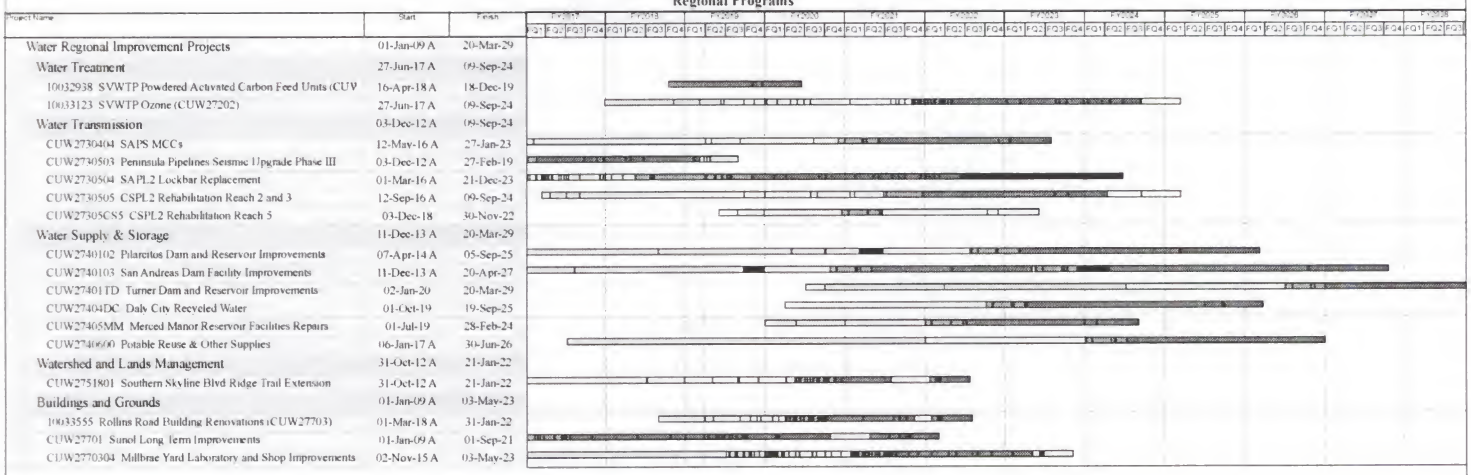
(1) **Construction Costs** include the Construction Base Bid, Construction Contingency and owner-provided equipment/material.

(2) **Delivery Costs** include program and project management, planning, environmental (CEQA, permitting, construction compliance), design, construction management, and engineering support during construction.

(3) **Other Costs** include environmental mitigation, art enrichment, security improvements and real estate expenses.

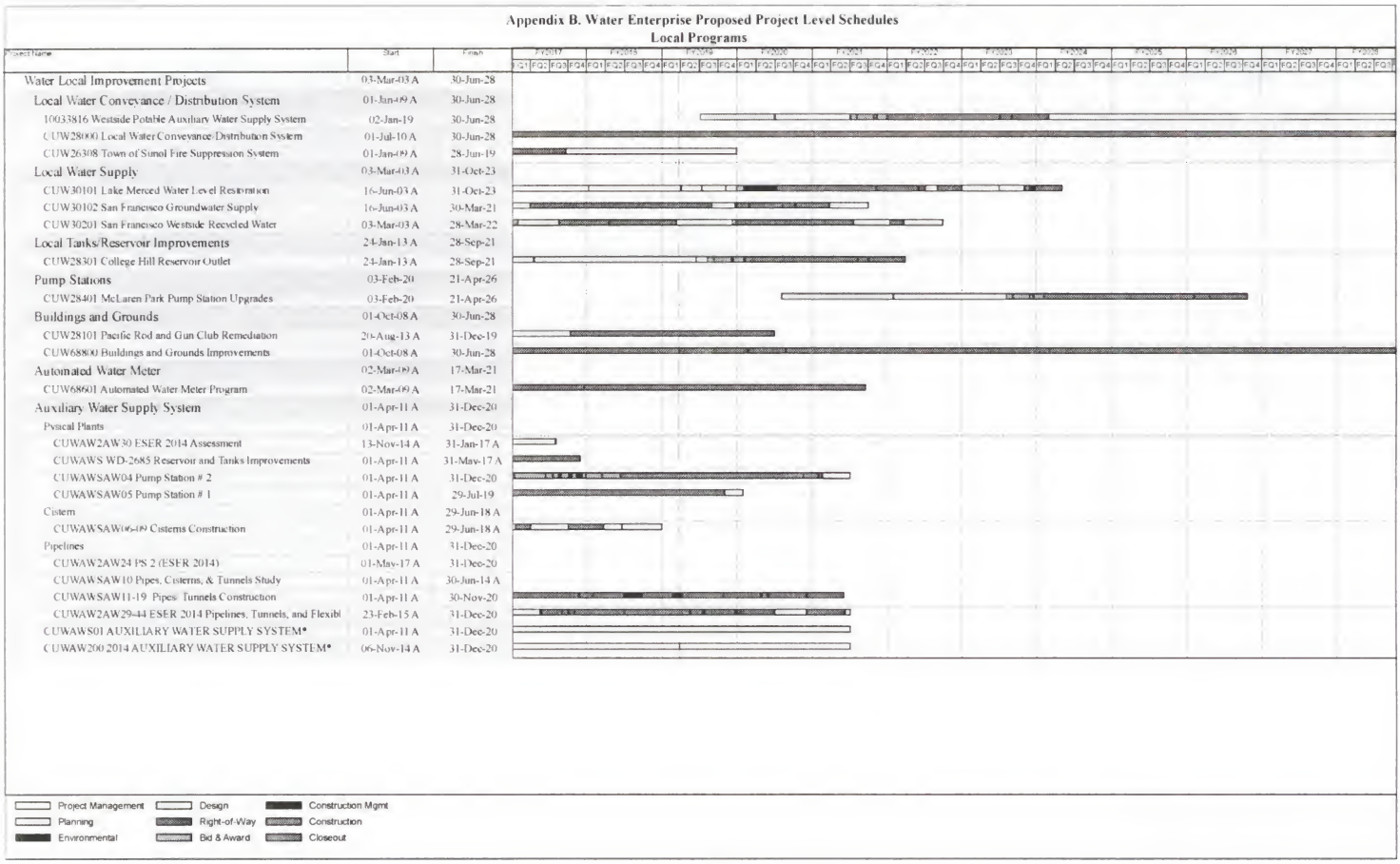
Appendix B. Water Enterprise Proposed Project Level Schedules
Regional Programs

Project Name	Start	Finish
Water Regional Improvement Projects	01-Jan-09 A	20-Mar-29
Water Treatment	27-Jun-17 A	09-Sep-24
10032938 SVWTP Powdered Activated Carbon Feed Units (CUV	16-Apr-18 A	18-Dec-19
10033123 SVWTP Ozone (CUW27202)	27-Jun-17 A	09-Sep-24
Water Transmission	03-Dec-12 A	09-Sep-24
CUW2730404 SAPS MCCs	12-May-16 A	27-Jan-23
CUW2730503 Peninsula Pipelines Seismic Upgrade Phase III	03-Dec-12 A	27-Feb-19
CUW2730504 SAPL2 Lockbar Replacement	01-Mar-16 A	21-Dec-23
CUW2730505 CSPL2 Rehabilitation Reach 2 and 3	12-Sep-16 A	09-Sep-24
CUW27305CS5 CSPL2 Rehabilitation Reach 5	03-Dec-18	30-Nov-22
Water Supply & Storage	11-Dec-13 A	20-Mar-29
CUW2740102 Pilarcitos Dam and Reservoir Improvements	07-Apr-14 A	05-Sep-25
CUW2740103 San Andreas Dam Facility Improvements	11-Dec-13 A	20-Apr-27
CUW27401TD Turner Dam and Reservoir Improvements	02-Jan-20	20-Mar-29
CUW27404DC Daly City Recycled Water	01-Oct-19	19-Sep-25
CUW27405MM Merced Manor Reservoir Facilities Repairs	01-Jul-19	28-Feb-24
CUW2740600 Potable Reuse & Other Supplies	06-Jan-17 A	30-Jun-26
Watershed and Lands Management	31-Oct-12 A	21-Jan-22
CUW2751801 Southern Skyline Blvd Ridge Trail Extension	31-Oct-12 A	21-Jan-22
Buildings and Grounds	01-Jan-09 A	03-May-23
10033555 Rollins Road Building Renovations (CUW27703)	01-Mar-18 A	31-Jan-22
CUW27701 Sunol Long Term Improvements	01-Jan-09 A	01-Sep-21
CUW2770304 Millbrae Yard Laboratory and Shop Improvements	02-Nov-15 A	03-May-23



Project Management
Planning
Environmental
Design
Right-of-Way
Bid & Award
Construction Mgmt
Construction
Closeout

Appendix B. Water Enterprise Proposed Project Level Schedules
Local Programs



PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 18-0214

WHEREAS, The Hetch Hetchy Water and Power (HHWP) Water Division is the division responsible for operating, managing, and maintaining the HHWP system and facilities including water and power facilities between Hetch Hetchy Reservoir located in Yosemite National Park and Newark; and

WHEREAS, The HHWP Water Division operates, manages, and maintains three impoundment reservoirs, three regulating reservoirs, four powerhouses, one switchyard, three substations, 170 miles of pipeline and tunnels, almost 50 miles of paved road, over 160 miles of transmission lines, watershed land, and right-of-way property. The HHWP Water Division provides 85 percent of the San Francisco Public Utilities Commission (SFPUC) water supply for 2.7 million residential, commercial, and industrial customers in Alameda, Santa Clara, San Mateo, and San Francisco counties. On average, HHWP Water Division generates about 1,650 gigawatt hours (GWH) of clean hydroelectric power annually; and

WHEREAS, The HHWP Water Division capital improvement program has been developed to maintain or upgrade the existing, aging infrastructure so that it will meet the challenges of today and the future; and

WHEREAS, The goals of these projects are to provide capital improvements that 1) meet water quality, seismic reliability, delivery reliability, and water supply objectives, and 2) optimize the benefits of HHWP power generation operations; and

WHEREAS, The SFPUC conducts periodic condition assessments on critical assets to determine the state of the HHWP system. The results of these condition assessments are used to identify and define maintenance and capital improvement projects to meet established Levels of Service (LOS) goals based on the LOS goals adopted in 2008 in conjunction with the Water System Improvement Program (WSIP), which were updated in 2017 to be consistent with the SFPUC's 2020 Strategic Plan; and

WHEREAS, Identified capital projects are outlined and funded utilizing the Hetch Hetchy 10-Year Capital Improvement Program (CIP) Plans. The 10-Year CIP Plans are developed on a two-year budget cycle, with evaluation of project priorities and funding, and development of new projects. Funding is appropriated following approval by the SFPUC, Mayor, and the Board of Supervisors; and

WHEREAS, The Hetch Hetchy Capital Improvement Projects (HCIP) are a multi-year group of capital projects with a well defined scope of work, budget, and schedule to upgrade existing, aging infrastructure so that it will meet the challenges of today and the future; and

WHEREAS, On February 13, 2018 by Resolution 18-0024, The Commission approved the latest 10-Year CIP Plan for funding for FY2019-2028. This 10-Year CIP provides funding for ongoing active and newly developed HCIP projects with defined scope, budget, and schedule. The 10-Year CIP for FY2019-2028 also provides annual funding for the renewal and

replacement (R&R) program to continue annual renewal and replacement of the aging-assets of the HHWP system; and

WHEREAS, SFPUC staff have recently fully evaluated the HCIP programs to develop a 2018 Proposed Baseline for HCIP projects over $5 million that are currently active or currently intended to be active within FY2018-2019 or FY2019-2020 for consideration by the Commission. The proposed scopes, schedules, and budgets of these HCIP projects are described in the attached Hetch Hetchy Capital Improvement Programs (HCIP) 2018 Proposed Baseline; and

WHEREAS, The Baseline is intended to establish a basis to measure and report project performance for the HCIP and to offer greater clarity to the public, the Bay Area Water Supply and Conservation Agency, and this Commission regarding the scopes, schedules, and budgets for individual projects over $5 million; and

WHEREAS, With approval of this 2018 Baseline for the HCIP, the Commission would approve the project-specific HCIP scopes, schedules, and budgets, which will then be adopted as the new project baselines for the HCIP and will be reflected in the Hetch Hetchy Capital Improvement Programs Quarterly Report for the 1st Quarter of FY2018-2019; and

WHEREAS, The HCIP Proposed 2018 Baseline is consistent with the latest SFPUC Ten-Year Capital Plan (FY 2018-19 to FY 2027-2028) approved by the Commission on February 13, 2018 by Resolution 18-0024; and

WHEREAS, Nothing in this resolution commits, or shall be deemed to commit the SFPUC to approve any proposed project until environmental review of the project has been completed as required under the California Environmental Quality Act. This Commission shall have the absolute discretion before approving such projects to: (i) make such modifications as may be necessary to mitigate significant environmental impacts; (ii) select other feasible alternatives to avoid or substantially reduce significant environmental impacts; (iii) require the implementation of specific measures to mitigate any specific impacts; (iv) balance the benefits against significant environmental impacts before taking final action if such significant impacts cannot otherwise be avoided; or (v) determine whether or not to proceed with such projects; now, therefore, be it

RESOLVED, That the San Francisco Public Utilities Commission hereby approves the Hetch Hetchy Capital Improvement Programs 2018 Proposed Baseline for individual HCIP projects over $5 million that are currently active or are currently intended to be active within FY2018-2019 or FY 2019-2020, which is attached hereto and incorporated by reference herein.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

Hetch Hetchy Capital Improvement Programs

2018 PROPOSED BASELINE

San Francisco Public Utilities Commission

December 11, 2018

Table of Contents

LIST OF ACRONYMS
1.0 INTRODUCTION....1
1.1 History....1
1.2 Initial Development of Capital Improvement Program....2
1.3 10-Year Capital Plan FY19-28....5
2.0 PROJECT STATUS....7
3.0 PROPOSED SCOPE, SCHEDULE, AND BUDGET BASELINE....9
WATER INFRASTRUCTURE PROJECTS....10
Water Conveyance (Water)....10
Dams & Reservoirs (Water)....11
Water Infrastructure Project Development....12
POWER INFRASTRUCTURE PROJECTS....13
Water Conveyance (Power)....13
Powerhouses....14
Switchyards and Substations....15
Power Infrastructure – Project Development....16
JOINT INFRASTRUCTURE PROJECTS....17
Buildings (Joint)....17
Dams & Reservoirs (Joint)....17
Mountain Tunnel....19
Roads & Bridges (Joint)....20
Tunnels (Joint)....21
Joint Infrastructure Project Development....21
APPENDIX A - Cost Summary of 2018 Proposed Baseline for HCIP....24
APPENDIX B – Proposed Project Level Schedules....25

LIST OF ACRONYMS

AAR	Alternative Analysis Report
AC	Alternating Current
AMI	Advanced Metering Infrastructure
BLM	Bureau of Land Management
BCTD	Bay Corridor Transmission Distribution
BRT	Bus Rapid Transit
Cal OES	California Governor's Office of Emergency Services
CDAA	California Disaster Assistance Act
CIP	Capital Improvement Program
DC/AC	Direct Current/Alternate Current
DSOD	Division of Safety of Dams
EE	Energy Efficiency
FEMA	Federal Emergency Management Agency
FY	Fiscal Year
Ghz	Gigahertz
GM	General Manager
GSU	Generator Step-Up
GWh	Gigawatt Hours
HCIP	Hetchy Capital Improvement Projects
HH	Hetch Hetchy
HHWP	Hetch Hetchy Water and Power
HPH	Holm Powerhouse
ISY	Intake Switchyard
KPH	Kirkwood Powerhouse
kV	kiloVolt
LBE	Local Business Enterprise
LCA	Lower Cherry Aqueduct
LOS	Levels of Service
MCC	Motor Control Center
MCSB	Moccasin Control and Server Building
MG	Million Gallons
MGD	Million Gallons per Day
MPH	Moccasin Powerhouse
MUNI	Municipal Railway
MW	Megawatts
NAR	Needs Assessment Report
NERC	North American Electric Reliability Corporation
NPS	National Park Service
OSD	O'Shaughnessy Dam
PD	Project Development
PG&E	Pacific Gas & Electric Company
PLC	Programmable Logic Controllers
PUC	Public Utilities Commission
PV	Photovoltaic
RFB	Request for Bids
RFP	Request for Proposal
ROW	Right-of-Way
R&R	Renewal and Replacement
TTF	Tesla Treatment Facility
TUV	Tesla Ultra Violet
SCADA	Supervisory Control and Data Acquisition
SF	San Francisco
SFPUC	San Francisco Public Utilities Commission
SFUSD	San Francisco Unified School District
SJPL	San Joaquin Pipeline
TI/YBI	Treasure Island and Yerba Buena Island
TJPA	Transbay Joint Powers Authority
TTC	Transbay Transit Center
USFS	United States Forest Service
UV	Ultra Violet
WECC	Western Electricity Coordinating Council
WSIP	Water System Improvement Program

1.0 INTRODUCTION

The Hetch Hetchy Water and Power (HHWP) Water Division is the division responsible for operating, managing, and maintaining the HHWP system and facilities. This includes water facilities from Hetch Hetchy Reservoir, located in Yosemite National Park, down to Alameda East Portal, located in Sunol Valley and power facilities located from Early Intake to Newark. The HHWP Water Division operates, manages, and maintains three impoundment reservoirs, three regulating reservoirs, four powerhouses, one switchyard, three substations, 170 miles of pipeline and tunnels, almost 50 miles of paved road, over 160 miles of transmission lines, watershed land, and right-of-way property. HHWP Water Division provides 85 percent of the San Francisco Public Utilities Commission (SFPUC) water supply for 2.7 million residential, commercial, and industrial customers in Alameda, Santa Clara, San Mateo, and San Francisco counties. On average, HHWP Water Division generates about 1,650 gigawatt hours (GWH) of clean hydro-generated power annually.

The HHWP Water Division capital improvement program has been developed to maintain or upgrade the existing, aging infrastructure so that it will meet the challenges of today and the future. Because of the dual utility services of the HHWP system, capital improvement projects to provide increased functionality of an asset or to replace an existing asset are funded based on the utility the asset serves, i.e., "Water", "Power" or "Joint". Projects that improve or rehabilitate a "water only" asset, such as the San Joaquin Pipelines or a water quality project are funded with "Water" funds. Projects that provide a "power only" function, such as a rewind of a Moccasin Powerhouse generator, are funded with "Power" funds. Projects which improve or rehabilitate an asset that serve both water and power functions, such as O'Shaughnessy Dam, are funded with "Joint" funds. These projects will deliver improvements to maintain the SFPUC's ability to provide reliable, affordable, high quality water to its 2.7 million customers in an environmentally sustainable manner.

The goals of these projects are to provide capital improvements that 1) meet water quality, seismic reliability, delivery reliability, and water supply objectives, and 2) optimize the benefits of HHWP power generation operations. Ongoing development and updates of the capital program will sustain the fundamental principles guiding the regional water system's development as an unfiltered water source and a gravity-driven system.

1.1 History

The passage of the Raker Act by the United States Congress on December 6, 1913, granted the City of San Francisco water and power rights-of-way on the Tuolumne River in Yosemite National Park. The construction program for the Hetch Hetchy Water and Power System was initiated in the Spring of 1914, and the original O'Shaughnessy Dam was built between 1915 and 1923. Additional construction completion dates associated with the Hetch Hetchy Water and Power System included the following (in order from east to west): the Early Intake Diversion Dam in 1925, the Mountain Tunnel in 1925, the Priest Dam in 1923, the Moccasin Penstock in 1922, the original Moccasin Powerhouse in 1924, the Moccasin Dam and Reservoir in 1929, the Foothill Tunnel in 1929, and San Joaquin Pipeline No. 1 in 1932. The completion of the Coast

Range Tunnel in 1934 allowed the first water deliveries from the Sierra Nevada Mountains to the San Francisco Peninsula.

Since that time, the system has been continuously improved and has had more facilities added to it. These improvements and additions include raising the height of O'Shaughnessy Dam in 1938, completion of the Cherry Dam in 1956, completion of the Canyon Tunnel in 1965, completion of the Holm Powerhouse in 1960, completion of the Kirkwood Powerhouse in 1967, and completion of the San Joaquin Pipelines No. 2 and 3 and the new Moccasin Powerhouse in 1969.

1.2 Initial Development of Capital Improvement Program

The SFPUC conducts periodic condition assessments on critical assets to determine the state of the Hetch Hetchy Water and Power System. The results of these condition assessments are used to identify and define maintenance and capital improvement projects to meet established Levels of Service (LOS) goals outlined below. These LOS goals are based on the LOS goals adopted in 2008 in conjunction with the Water System Improvement Program (WSIP), and were updated in 2017 to be consistent with the SFPUC's 2020 Strategic Plan. The proposed capital projects are ranked and prioritized based on a variety of factors, including the criticality of the assets, reliability, safety, and consequences of failure. To help fund these capital projects, SFPUC issues Water bonds and Power bonds.

Identified capital projects were outlined and funded utilizing the Hetch Hetchy 10-Year Capital Improvement Program (CIP) Plans. 10-Year CIP Plans are developed on a two-year budget cycle, with evaluation of project priorities and funding, and development of new projects. Funding is appropriated following approval by the SFPUC, the Mayor, and the Board of Supervisors.

The LOS goals represent broad, system-wide performance objectives that guide the success of capital projects. The present LOS goals of the regional water system are listed as follows:

- Drinking Water Quality – maintain high water quality
    - Comply with or surpass all current and foreseeable future federal and state drinking water quality requirements.
    - Provide clean, unfiltered water originating from Hetch Hetchy Reservoir, filtered water from local watersheds, and appropriately treated water from other sources.
    - Continue to implement watershed protection measures in the Peninsula, Alameda, and Tuolumne watersheds to protect watershed ecosystems and drinking water quality.

- Regional Delivery Reliability – maintain post-WSIP delivery reliability and ability to maintain the system
    - Provide operational flexibility to allow planned maintenance shutdown of Individual facilities without interrupting customer service.
    - Provide operational flexibility to minimize the risk of service interruption due to unplanned facility upsets or outages.

  - Maintain emergency response and recovery plans for major delivery assets to minimize the duration of unplanned outages.
  - Provide operational flexibility and system capacity to replenish local reservoirs as needed.
  - Meet the estimated average annual demand of up to 300 million gallons per day (mgd) under the conditions of one planned shutdown of a major facility for maintenance, concurrent with one unplanned facility outage due to a natural disaster, emergency, or facility failure/upset.
  - Maintain security for all facilities consistent with the National Infrastructure Protection Plan and Environmental Protection Agency guidelines.
  - Provide Wholesale Customers with timely information and data sufficient to support operational decision-making of their retail systems.

- Regional Seismic Reliability – maintain ability to meet current seismic standards
  - Design water system improvements to meet current seismic standards, and over time regularly evaluate the ability of the system to meet current seismic standards.
  - Deliver basic service to the three regions in the service area (East/South Bay, Peninsula, and San Francisco) within 24 hours after a major earthquake. Basic service is defined as average winter-month usage, and the performance objective for design of the regional system is 229 mgd. The performance objective is to provide delivery to at least 70 percent of the turnouts in each region, with 104, 44, and 82 mgd delivered to the East/South Bay, Peninsula, and San Francisco, respectively.
  - Restore facilities to meet average-day demand of up to 300 mgd within 30 days after a major earthquake.

- Water Supply – meet customer water needs in non-drought and drought periods
  - Meet average annual water demand of 265 mgd from the SFPUC watershed for retail and wholesale customers during non-drought years.
  - Meet dry-year delivery needs while limiting rationing to a maximum 20 percent system-wide reduction in water service during extended droughts.
  - Diversify water supply options during non-drought and drought periods.
  - Improve use of new water sources and drought management, including groundwater, recycled water, conservation, and transfers.
  - Maintain San Francisco retail residential potable water use below 50 gallons per capita per day.
  - Irrigate 30% of San Francisco's Recreation and Park Department lands with recycled water by 2021.
  - Implement projects and programs that advance the OneWaterSF Vision of optimizing the use of finite resources to balance community and ecosystem needs and create a more resilient future.

- Sustainability – enhance sustainability in all system activities (environmental, economic, and social)
    - Energy Utilization
        - Maintain a gravity-driven water system.
        - Minimize carbon footprint of all water system operations through sustainable design and operational practices.
    - Workforce Support
        - Attract, develop, and retain a healthy, safe, well-trained, productive, and well-equipped workforce, reflective of the communities we serve.
        - Provide and promote opportunities for knowledge transfer and staff development in areas critical to meeting LOS goals and objectives.
    - Community Support
        - Be mindful of and responsive to community needs throughout the water system, consistent with maintaining the water system.
        - Maintain an active program of public outreach regarding all aspects of the water system.
    - Cost-effectiveness
        - Ensure cost-effective use of funds.
        - Provide water meter data for fair and timely billing of both wholesale and retail water customers, as well as for effective management of water supplies.
        - Implement effective management programs for all assets (facilities, land, and equipment), including:
            - Regular updates of asset inventories.
            - Regular inspection (or predictive monitoring) and maintenance.
            - Appropriate repair and replacement.
    - Strategic Planning
        - Continually evaluate and plan for changing environmental, fiscal, and social conditions, (i.e. climate change, development, regulation, and other factors outside of the SFPUC's control) that influence the ability to achieve these levels of service.

The power system does not have formally adopted LOS goals. However, the power system is operated to meet the following objectives and constraints:

- Power System Reliability
- Regulatory Compliance
- Contractual Obligations
- Sustainability (Environmental Stewardship, Cost-effectiveness, Strategic Planning, and Safety)

Projects in the Hetchy capital improvement program can be further divided into two programs spanning Water, Power, and Joint:

- The Hetch Hetchy Capital Improvement Projects (HCIP) are a multi-year group of capital projects to upgrade existing, aging infrastructure so that it will meet the challenges of today and the future. HCIP projects have a well-defined scope of work, budget, and schedule.
- The Hetch Hetchy Renewal and Replacement Program (R&R Program) is an ongoing annual program that seeks to address deficiencies associated with the Water, Power, and Joint assets. The goal of the R&R Program is to maintain level of service goals and objectives, to ensure regulatory permit compliance, to obtain system reliability and functionality, and to continue sustainable operation of the system. The R&R Program consists of a series of projects specifically developed for aging infrastructure associated with the Hetchy system. The projects are designed to better the system through inspections, assessments, protective and corrective measures, and routine maintenance. Due to the nature of these projects, as ongoing projects that are funded on an annual basis, progress is measured by achievement of short-term goals.

1.3 10-Year Capital Plan FY19-28

On February 13, 2018 by Resolution 18-0024, the Commission approved the latest 10-Year CIP Plan for funding for FY2019-2028. This 10-Year CIP provides funding for active ongoing and newly developed HCIP projects with defined scope, budget, and schedule, and is discussed further in Section 3. The 10-Year CIP for FY2019-2028 also provides annual funding for the R&R program to continue annual renewal and replacement of the aging-assets of the HHWP system.

The latest 10-Year CIP Plan has further organized the projects into subprograms based on the type of asset that the project addresses. Each of the new subprogram groups contain both HCIP and R&R projects, and are as follows:

- Communications – these projects provide upgrades of the communication system elements to maintain pace with the changes in technology, and to maintain overall system reliability.
- Dams and Reservoirs – these projects address assets utilized for the storage and delivery of water to the SFPUC customers, as well as water storage for power generation.
- Mountain Tunnel – these projects address deficiencies with the Mountain Tunnel, a critical, non-redundant link in the Hetch Hetchy water system that conveys water between Kirkwood Powerhouse and Priest Reservoir.
- Powerhouses – these projects are for capital improvements of the Kirkwood, Moccasin, and Holm Powerhouses.
- Roads and Bridges – these projects include replacement of bridges that are utilized to access HHWP assets, as well as road improvement projects.
- Switchyards and Substations – these projects allow for HHWP to meet operational objectives for power, including reliability, regulatory compliance, and sustainability.

- Transmission Lines – these projects allow for continued reliability of the HHWP system transmission and distribution lines, and also address North American Electric Reliability (NERC) requirements
- Tunnels – these projects address repairs to tunnels (other than Mountain Tunnel).
- Utilities – these projects address power distribution improvements in Moccasin.
- Water Conveyance – these projects are intended to enhance the reliability of water delivery through pipelines, allowing for both the delivery of water to SFPUC customers and the delivery of water to powerhouses for power generation.

Existing projects funded by the 10-Year CIP for FY2016-2025 that are still active will be organized into these new subprograms, as appropriate.

2.0 PROJECT STATUS

Significant progress has been made with the HHWP capital improvement program since the approvals of the 10-Year CIP for FY2016-2025.

Table 2.1 shows the current status (reflected as the active phase) for each of the HCIP projects. New projects funded in the 10-Year CIP for FY2019-2028 that have not yet started are included as Projects Not Initiated. Since R&R projects consist of annually funded projects, only progress on HCIP projects with well-defined scopes, schedules, and budgets are listed below.

Table 2.1: Hetchy Capital Improvement Projects*

PROJECTS NOT INITIATED	
Project No.	**Project Name**
CUH100N02	SJPL Tesla Valves Replacement
CUH100N04	SJPL Valve and Safe Entry Improvement
CUH102N07	Bridge Replacement
PROJECTS IN PLANNING	
Project No.	**Project Name**
100329030	O'Shaughnessy Dam Outlet Works Phase I
10033156	Moccasin Reservoir Perimeter Security Fence
CUH10114	Moccasin Powerhouse and GSU Rehabilitation
CUH10223	OSH Dam Access and Drainage Improvements
PROJECTS IN DESIGN	
Project No.	**Project Name**
CUH10116	Moccasin Penstock Rehabilitation
CUH10119	Early Intake Switchyard Slope Hazard Mitigation
CUH10215	Canyon Tunnel Rehabilitation
CUH10221	Mountain Tunnel Improvement Project
PROJECTS IN BID & AWARD	
Project No.	**Project Name**
CUH10003	Lower Cherry Aqueduct
PROJECTS IN CONSTRUCTION	
Project No.	**Project Name**
CUH10001	SJPL Rehabilitation
CUH10102	Holm and Other Powerhouse Projects

PROJECTS IN CONSTRUCTION (Cont'd)	
Project Name	
CUH10113	Kirkwood Penstock
CUH10115	Warnerville Substation Rehabilitation
CUH10220	Mountain Tunnel Inspection and Repair
PROJECTS IN CLOSEOUT	
Project No.	**Project Name**
CUH10214	Moccasin Facilities New Construction
CUH10216	Cherry Dam Outlet Works Rehab

*Status of projects as of June 30, 2018

3.0 PROPOSED SCOPE, SCHEDULE, AND BUDGET BASELINE

The proposed scopes, schedules, and budgets of HCIP projects are summarized in the following sections and in Table 3.1 for all individual projects over $5 million that are currently active or currently intended to be active within FY2018-2019 or FY2019-2020. If approved by the Commission, the proposed scopes, budgets, and schedules will be adopted as the new project baselines for the Hetch Hetchy Capital Improvement Programs and will be reflected in future Hetch Hetchy Capital Improvement Programs Quarterly Reports.

Table 3.1 also summarizes projects based on the subprogram grouping presented in the 10-Year CIP for FY2019-2028. It should be noted that for this baseline report and future quarterly report, HHWP R&R projects will be grouped into their own subprograms under "Water", "Power", and "Joint".

WATER INFRASTRUCTURE PROJECTS

Water Conveyance (Water)

CUH10001 – Hetchy Water – SJPL Rehabilitation

Project Description

The San Joaquin Pipelines (SJPLs) convey water from Foothill Tunnel to Coast Range Tunnel. The asset varies in age from 5 to almost 80 years old. Hetch Hetchy Water and Power (HHWP) have developed an annual program to inspect, monitor and manage the SJPLs and extend the life of the asset prior to replacement.

Schedule/Budget:

The SJPL Rehabilitation project was an annually funded project for continued inspections, monitoring, and management of the SJPL. The schedule and budget updates are due to annual funding for the project ending following FY2018, and the inspections, monitoring, and management activities to be conducted under the new R&R SJPL Life Extension Program starting in FY2019.

CUH10003 – Lower Cherry Aqueduct

Project Description

The Lower Cherry Aqueduct (LCA) delivers water from Cherry Creek to supplement the primary Hetch Hetchy reservoir supply during a drought. Due to drought conditions as described in the Declaration of Emergency issued on February 21, 2014, there is a need for this reliable backup water supply to be re-established in the LCA. However, due to damage during the Rim Fire Emergency and age, the LCA is in need of restoration before it can become a reliable asset. This project consists of improvements such as emergency debris removal and tunnel cleaning, temporary structures installation, monitoring and instrumentation, and forebay and diversion dam repairs.

Schedule/Budget:

The extension of the project schedule is due to permitting delays, including the updates to Hetch Hetchy Water & Power (HHWP) right of way (ROW) maps and subsequent approvals by the United States Forest Service (USFS) and the Bureau of Land Management (BLM).

CUH100N02– SJPL Tesla Valves Replacement (New Project)

Project Description

This project intends to replace all the under rated inline valves, Tesla Ultra Violet (TUV) 101 to 401, with properly rated valves to improve safety and entry into all 4 San Joaquin Pipelines (SJPL). In addition, all cross- over valves and bypass valves may need to be replaced or made safe. Modification to the pipes, flanges, spool pieces, actuators, and valve controls are needed. The valve vault will need modification to accommodate the new valves. New facilities may need to be constructed if additional new valves are not designed for direct burial.

***Schedule/Budget*:**

This new project will have a schedule duration of approximately 54 months and a cost of $7.38M.

CUH100N04– SJPL Valve and Safe Entry Improvement (New Project)

Project Description

The San Joaquin Pipeline (SJPL) Entry Assessment and Valve Improvement Project involves the three parallel transmission pipelines that stretch approximately 48-miles across the San Joaquin Valley from Oakdale Portal to Tesla Portal, with a partial fourth pipeline consisting of a 6.4-mile Eastern Segment and an 11-mile Western Segment. The four pipelines were built between 1932 and 2012, respectively, and range from 56- to 79.5-inches in diameter. As part of the Water System Improvement Program (WSIP), valve vaults were constructed along the SJPL System at various locations to increase operational flexibility and the overall reliability of the SJPL System. Since the commissioning of the valve vaults, Hetch Hetchy Water & Power (HHWP) has expressed concern that 1) valves may not be sufficiently rated and may fail due to a pressure transient surge event using certain operational assumptions 2) there is an inability to establish double isolation and bleed configurations along the SJPL System, resulting in insufficient protection for maintenance personnel, and 3) multiple isolation valves are not adequately rated for hydrostatic head. In order to achieve the safety and access goals, the scope is to: install a surge shaft upstream of Tesla Treatment Facility (TTF) to reduce maximum pressure from unplanned reactor valve closure and upgrade line valves to resist transient pressure from unplanned line valve closure; install new double isolation and bleed valves at all locations where major upgrades and construction are required; and retain single isolation where no upgrades are needed. There are four primary locations where major upgrades and construction are required: Emery, Roselle, Pelican, and Tesla.

***Schedule/Budget*:**

This new project will have a schedule duration of approximately 72 months and a cost of $95.284M.

Dams & Reservoirs (Water)

10033156– Moccasin Reservoir Perimeter Security Fence

Project Description

Hetch Hetchy Water & Power (HHWP) will install an approximately 6,500 feet long perimeter security fence system around Moccasin Reservoir to discourage trespassers. Moccasin Reservoir covers approximately 32 acres. Fence monitoring alarms, signs, lighting, and security camera will be considered as part of the design.

***Schedule/Budget*:**

This new project will have a schedule duration of approximately 52 months and a cost of $5.308M. Initial planning for the project commenced in February of 2017.

Water Infrastructure Project Development

CUH100PD – Hetchy Water Only – Project Development

Project Description

The Project Development (PD) Account captures Program level expenditures. There are four types of charges that will be allocated to the PD Account: 1) charges for task orders for overall program management and project prioritization tasks, where the costs should be distributed over all Capital Improvement Program (CIP) Projects; 2) charges for Infrastructure and Hetchy staff performing program level tasks including: capital plan development, budget management (including fund management, and cost reallocations), and quarterly report generation tasks, where the costs should be distributed over all CIP Projects; 3) charges for portal support for the existing SharePoint Portal (includes document management and project dashboard reporting); and 4) charges for work outreach programs.

Schedule/Budget:

The 10-Year CIP Plan for FY2019-2028 allocated additional funds of $5.352M to the PD account for a cumulative total of $6.079M through FY2028.

POWER INFRASTRUCTURE PROJECTS

Water Conveyance (Power)

CUH10113 – Kirkwood Penstock

Project Description

Kirkwood Penstock was built in 1964 and conveys the San Francisco Public Utilities Commission (SFPUC) water supply from Canyon Tunnel to Kirkwood Powerhouse (KPH). Kirkwood Penstock has experienced significant foundation movement without impact to the service utility. In February 2007, however, there was significant movement on the penstock, and the penstock partially detached from one fixed saddle directly below anchor block 2. The scope of this project includes an internal and external inspection, development of an Emergency Action Plan and a Penstock Monitoring Plan, repairs to the damaged saddle, installation of a monitoring system, and procurement of emergency spare equipment.

***Schedule/Budget*:**

The project schedule and budget included both short-term and long-term actions for the project. Work completed under the short-term plan supports delaying the long-term actions, and therefore the project schedule and budget has been modified to include the short-term plan only. Hetch Hetchy Water & Power (HHWP) will continue to monitor the asset to determine if a long-term capital improvement project is required. Based on this, the schedule has been shortened by approximately 24 months, and the budget has been reduced by approximately $7.3M.

CUH10116 – Moccasin Penstock Rehabilitation

Project Description

The Moccasin Penstock conveys San Francisco Public Utilities Commission (SFPUC) water nearly one mile from Moccasin Tunnel to the Moccasin Powerhouse. The lower 1,084 foot section of welded steel pipe replaced the original penstocks when the new Moccasin Powerhouse was completed in the 1960s. The upper 4,000 feet of penstock dates back to 1924 and has been in service for more than 90 years. Condition assessments based on external inspection and imaging have identified a number of deficiencies along the original pipe. The 104-inch diameter (narrowing to 98-inch) riveted steel penstocks extend 1,554 feet from the downstream Moccasin Tunnel portal then bifurcate to four 66-inch diameter hammer-forged welded steel conduits extending about 2,384 feet to the lower welded steel pipe. Additionally, in September of 2018 the penstock experienced significant leakage in two separate areas, necessitating emergency repairs. This rehabilitation project is intended to enhance the reliability of the penstock system and will include: repair or replacement of some sections of corroded pipe; repair or replacement of four badly cracked concrete anchors and damaged penstock saddles; installation of new manways and a rollout pipe section to provide better access for inspection and maintenance; and recoating the outside pipe, where needed, to reduce future corrosion. The project scope was expanded to include: 1) The installation of additional penstock pipe between the valve house and the first downstream anchor; 2) The replacement of the butterfly valve pneumatic actuator with an electronic actuator, which will include new controls with SCADA connectivity; and 3) A new backup generator.

***Schedule/Budget*:**

The original project baseline was based on schedule and budget through the design phase only. The increase of schedule duration and the increase in budget from $2.891M to $13.158M ($10.267M increase) take into account all project phases, including a Condition Assessment and alternatives analysis report (AAR) for the entire Moccasin Penstock.

Powerhouses

CUH10102 – Holm and Other Powerhouse Projects

Project Description

This project will provide funding for Holm Powerhouse (HPH) Unit 2 upgrades and other items under $1 million regarding power generation renewal and equipment replacement. The upgrade and rehabilitation of Holm Unit 2 includes 13.8 kV equipment upgrades, addition and integration of a generator breaker, replacement of two 13.8kV feed breakers, replacement of Unit 2 Main Control Board, and any necessary tasks to match Unit 2 to Unit 1. System integration work will be done to integrate exciter, governor Programmable Logic Controllers (PLC), and Generator 2 PLCs into existing plant control and Supervisory Control and Data Acquisition (SCADA) system. Additionally, this project includes upgrades to turbine and generators, and alternating current stations intended to extend the life of the unit by 20 years. Lastly, the project will upgrade the existing oil containment system at Kirkwood Powerhouse (KPH) and HPH to prevent oil discharge into the environment. The existing oil-water separators will be replaced, and other modifications will be made to the powerhouse interiors and to the transformer decks to discourage contaminated discharges into the adjacent streams. A monitoring system will be installed to alert Hetch Hetchy Water & Power (HHWP) of excessive leakage and the need to manually pump oil containment vessels. Failure of the oil containment systems at the powerhouses would likely result in environmental contamination, fines, additional regulatory exposure, and the need for rehabilitation & cleanup.

***Schedule/Budget*:**

The original scope of work for the project was to complete upgrades to the HPH Unit 2 only, with the additional scope to be included in the CUH10105 – Oil Containment Project. It was determined that these activities should be completed under one project, increasing the budget for this project by $20.350M. It is expected that the project will end approximately 39 months earlier than previously expected, and any additional smaller maintenance projects will be conducted under the new R&R Powerhouses project.

CUH10114 – Moccasin Powerhouse and GSU Rehabilitation

Project Description

The two Moccasin Powerhouse generators were completed in 1969 and generate a combined maximum output of 110 megawatts. Both generator units have exceeded their life expectancy and are in need of repair in order to continue operating reliably. The objective of this project is to replace stator cores and coils. The scope of work also includes rehabilitation of the rotor field poles with new pole cores and re-insulated field coils, replacement of the rotor pole/rim tail connection system with a new T-tail connection system, and supply of a new rotor rim for each generator following inspection and testing. This is a design-build project and was advertised twice in 2011 and 2013. Bids were unresponsive. The project will also involve replacement of

two generator step-up transformers (GSUs) with new oil containment barriers, and remaining plant work including: replacing 480V switchgear, 13.8kV switchgear, motor control centers, main control boards, protective relays, and cooling water piping.

Schedule/Budget:

The original scope of work for the project was complete rewinds of both powerhouse generators. Due to unresponsiveness of potential bidders, the original project was placed "On Hold". The 10-Year Capital Improvement Program (CIP) Plan for FY2019-2028 allocates funding for the generator rewinds, as well the GSU replacement and the balance of the powerhouse upgrades.

Switchyards and Substations

CUH10115 – Warnerville Substation Rehabilitation

Project Description

Warnerville Substation facilities and equipment have reached the end of their life expectancy. The facility needs to be upgraded to meet regulatory and safety requirements. This project will address major renewal and replacement of the substation components, including grounding, fence, circuit breaker, control room, electrical equipment, and disconnect switch. This project will also improve grading in the substation.

Schedule/Budget:

The original project baseline was based on schedule and budget through the design phase only (production of 35% design documents). The increase of duration is due to moving the planned completion from January 2019 to March 2020 (14 months delay) and the increase in budget from $2.304M to $24.305M ($22.001M increase) accounts for all project phases. It should be noted that the total forecast project cost for the Warnerville Substation Rehabilitation project is $32.000M, but will be supplemented by fees paid to the SFPUC by developers to cover the costs necessary to mitigate the impacts to the electrical transmission facilities at the Warnerville Substation caused by the interconnection of their power projects to the electrical grid.

CUH10119 – Early Intake Switchyard Slope Hazard Mitigation

Project Description

The Hetch Hetchy Water and Power (HHWP) Early Intake Switchyard (ISY) is a 230 kV switchyard located alongside the Tuolumne River, downstream of HHWP's Kirkwood Powerhouse (KPH). The switchyard is a critical HHWP asset that provides the transmission of electrical power generated at Kirkwood and Holm powerhouses to Moccasin, as well as the local distribution of power to HHWP's upcountry facilities. The slope requiring hazard mitigation, located next to ISY, was severely burned in the Rim Fire. The purpose of the project is to reduce the risk of slope failure which may cause damage to the switchyard and loss of power transmission capability.

Schedule/Budget:

This project has a schedule duration of approximately 71 months and a cost of $5.53M. Initial planning activities were commenced in November 2014 following the Rim Fire and were funded utilizing existing funding. The San Francisco Public Utilities Commission (SFPUC) has received a hazard mitigation grant from the Federal Emergency Management Agency (FEMA) through the California Governor's Office of Emergency Services (Cal OES), which will provide reimbursement of a maximum of $0.89M.

Power Infrastructure – Project Development

CUH101PD – Power Infrastructure/Project Development

Project Description

The Project Development (PD) Account captures Program level expenditures. There are four types of charges that will be allocated to the PD Account: 1) charges for task orders for overall program management and project prioritization tasks, where the costs should be distributed over all Capital Improvement Program (CIP) Projects; 2) charges for Infrastructure and Hetchy staff performing program level tasks including: capital plan development, budget management (including fund management, and cost reallocations), and quarterly report generation tasks, where the costs should be distributed over all CIP Projects; 3) charges for portal support for the existing SharePoint Portal (includes document management and project dashboard reporting); and 4) charges for work outreach programs.

Schedule/Budget:
The 10-Year CIP Plan for FY2019-2028 allocated additional funds of $8.725M to the PD account for a total cumulative amount of $10.100M through FY2028.

JOINT INFRASTRUCTURE PROJECTS

Buildings (Joint)

CUH10214 – Moccasin Facilities New Construction

Project Description

The existing HHWP shops and buildings are original and vary in age from between 45 to 80 years old. Some maintenance crews are currently working in buildings that were not originally intended to be used as shops. Many of these facilities do not meet current codes, require extensive repairs, and are not efficient work environments. The primary objective of this project is to build a 10,000-square-foot, combined-function building consisting of a plumbing shop, vegetation management shop, right-of-way shop, electric technician chop, lockers, shower facilities, break room, and new materials bins.

Schedule/Budget:
The budget has changed from $28,755,000 to $20,839,420 (reduction by $7,915,580) and the project duration was shortened by six years. These changes reflect the change of scope from constructing multiple buildings to constructing one Moccasin Shop/Office Building.

Dams & Reservoirs (Joint)

100329030– O'Shaughnessy Dam Outlet Works Phase I

Project Description

O'Shaughnessy Dam (OSD) was completed in 1923 and raised in 1938. Condition assessment of the dam outlet works revealed deficiencies. This rehabilitation project addresses deficiencies of the existing outlet works system at OSD, including the drum gates and release system through OSD to Canyon Tunnel and the Tuolumne River. A recent condition assessment identified deficiencies in the OSD release system. Seven projects were identified and have been prioritized. Phase 1 will include three of these projects: drum gate rehabilitation (upgrading the hinges and rivets, recoating the gate and existing seals, and repairing the spillway concrete), installation of a new bulkhead system, and rehabilitation of slide gates & installation of a diversion pipe butterfly valve.

Schedule/Budget:
This new project will have a schedule duration of approximately 55 months and a cost of $17.206M. Initial planning activities were commenced in February 2018.

CUH10216 – Cherry Dam Outlet Works Rehabilitation

Project Description
The outlet facilities for Cherry Dam have reached the end of their service life at nearly 60 years old. The stream release assets must work sufficiently well to meet U.S. Department of Interior's stream flow requirements, and these requirements cannot currently be met at low lake elevations. The 66" valves will be replaced in order to safely operate the dam during storm conditions with heavy inflows to Cherry Lake. The valves are critical for maintaining maximum carryover storage and meeting the SFPUC's water supply objectives. The scope of work includes replacement of the stream release valves and associated piping as well as the Low Level Outlet (LLO) 66" hollow jet valves. The project also replaced both butterfly valves that serve as isolation valves upstream of the hollow jet valves as change orders during construction.

Schedule/Budget:
Due to the unexpected failure of the butterfly valves in 2017, the project budget was increased to replace both butterfly valves. The baseline budget has changed from $1.66M (design phase only) to $10,382,439 (change of $8,722,439) to include construction cost. The project schedule remains the same as previously stated in the Quarterly Report.

CUH10223 – O'Shaughnessy Dam Access & Drainage Improvements

Project Description

The key objective of this project is to provide safe access for Hetch Hetchy Water and Power operators inside the O'Shaughnessy Dam by improving fall protection, access, and drainage. The key elements include:

- Replace Access Structures in Ladder Wells. The existing access structures in the four (4) vertical ladder wells (shafts) include vertical ladders and horizontal grating platforms that are spaced throughout the ladder wells.
- Install Fall Protection Systems. Install new Occupational Safety and Health Administration (OSHA)-compliant ladders and landings with safety cage and/or install fall restraint systems.
- Seal or Mitigate Existing Leakage. Address flowing water by sealing leaks or otherwise diverting, collecting and disposing of flows.
- Drainage Improvements. Clear the drains in the dam so that water can drain as designed and/or install sump pumps, if appropriate.
- Replace Watertight Door between Ladder Wells 3 & 4. This scope item includes replacing the existing watertight door between Ladder Wells 3 & 4.

Schedule/Budget:

This new project will have a schedule duration of approximately 48 months and a cost of $5.830M. Initial planning activities were initiated in March 2017.

Mountain Tunnel

CUH102-20 – Mountain Tunnel Inspection & Repairs

Project Description

The objective of this project is to assess the current condition of the Mountain Tunnel and complete any urgent interim repairs to reduce the risk of tunnel lining failure until the completion of the long-term Mountain Tunnel Improvements project in 2026. The project consists of:

- A tunnel inspection in 2017 to update the Condition Assessment conducted in 2008; and
- Short term repairs in 2017 and 2018-19 to reduce the risk of failures in the concrete lining.

Schedule/Budget:
The project completion date was extended due to the need for a shutdown to carry out the second phase of the interim repairs and close out the project in 2019. The original 2016 forecast had assumed a November/December 2018 shutdown. The actual date for the shutdown will be in January to early March 2019, with final completion and project close out to follow to the end of 2019.

CUH102-21 – Mountain Tunnel Improvements

Project Description

Mountain Tunnel conveys the SFPUC water supply from Kirkwood Powerhouse to Priest Reservoir. Mountain Tunnel has been in service since 1925. Due to its age, deferred maintenance, and construction deficiencies in the early 1900s, sections of the tunnel lining have deteriorated, some extensively. This project provides:

- Initial evaluation of alternatives for the Mountain Tunnel facility, and
- Eventual design and construction of the preferred engineering alternative that will keep this vital component of the Hetch Hetchy Water and Power System in reliable service for years to come.

The 2016 scope consisted of just the Planning Phase for the project. The primary focus was on the development of viable alternatives for the project including:

- Rehabilitation of the existing tunnel,
- Relining the existing tunnel,
- Construction of a new bypass tunnel within the tunnel right-of-way, and
- Construction of a new bypass tunnel outside the tunnel right-of-way.

In 2017, the existing tunnel was shut down for 60 days and a detail inspection was performed. The inspection and subsequent condition assessment found many defects in the tunnel lining. However, all the defects were repairable, and the tunnel was still structurally sound. This substantiated the viability of the rehabilitation alternative with downstream valve control, and the City adopted this as the preferred project for design and construction in July 2017. The rehabilitation option met almost all of the project performance standards with the least cost. The project consists of:

- Repairs of all significant concrete lining defect with wire mesh reinforcement and shotcrete,
- Contact grouting of the entire lining to further reinforce and seal the lining to the surround rock,
- A new downstream flow control facility at Priest Reservoir with valving to meter flows and keep the tunnel running full during all operations and mitigate future erosion of the lining,
- A new tunnel adit at Priest Reservoir to allow maintenance access to Mountain Tunnel without having to drain the reservoir in order to expose the current access portal,
- An extension of the South Fork Siphon crossing under the Tuolumne River to bypass a problematic section of the tunnel that infiltrates excessive groundwater into the tunnel, and causes adverse water quality issues,
- An enlarged concrete portal at Early Intake to accommodate maintenance equipment access at the upstream section of the tunnel,
- Access road widening and improvements to accommodate safer maintenance access to Adit 5/6 and Adit 8/9, and
- Temporary construction staging areas, environmental mitigations, and site restoration improvements.

Schedule/Budget:
The selection of the Rehabilitation of the existing tunnel allowed the tunnel design consultants to develop a schedule and budget for the project. Nine (9) years were added to the Planning schedule for two (2) years of design and environmental review, and seven (7) years for construction and project close out. The construction would require five winter season shutdowns for the work inside the tunnel and to tie in improvements at the tunnel portals. The project is scheduled for completion in 2026. The scope definition has resulted in an increase in total project cost from the $19M (for project planning) to $238.2M.

Roads & Bridges (Joint)

CUH102N07 – Bridge Replacement (New Project)

Project Description

HHWP is responsible for maintaining 14 bridges located in the Cherry, Eleanor, and Hetch Hetchy region. Condition assessment has identified the need for rehabilitation and/or replacement (both due to age and to meet current seismic design criteria). Four of the fourteen bridges require substantial modification or replacement and have been combined into this project. This project includes rehabilitation and/or replacement of Cherry Lake Road Bridge (public access), Early Intake Bridge (public access), and O'Shaughnessy Adit Access Bridge.

Schedule/Budget:
This new project will have a schedule duration of approximately 78 months and a cost of $44.287M.

Tunnels (Joint)

CUH10215 – Canyon Tunnel Rehabilitation

Project Description

Canyon Tunnel was built over 45 years ago. A condition assessment was performed on the tunnel in 2009 and the tunnel is in generally good condition, with the exception of the Hetchy Adit, a tunnel access point. Temporary repairs have been made to the plug at this adit twice (once in 1989 and once in 2009), but permanent repairs are needed to reduce leakage and increase reliability of the system. The project scope includes installation of a new reinforced concrete plug downstream of the existing plug.

Schedule/Budget:
The original project schedule and budget were for activities through the bid & award phase. Due to boundary correction issues, this project was delayed during the design phase. The 10-Year Capital Improvement Program (CIP) Plan for FY2019-2028, provides additional funds for all phases of the project. The project schedule end date will then extend from June 2017 to April 2022, and the budget will increase from $1.726M to $8.429M.

Joint Infrastructure Project Development

CUH102PD – Project Development

Project Description

The Project Development (PD) Account captures Program level expenditures. There are four types of charges that will be allocated to the PD Account: 1) charges for task orders for overall program management and project prioritization tasks, where the costs should be distributed over all Capital Improvement Program (CIP) Projects; 2) charges for Infrastructure and Hetchy staff performing program level tasks including: capital plan development, budget management (including fund management, and cost reallocations), and quarterly report generation tasks, where the costs should be distributed over all CIP Projects; 3) charges for portal support for the existing SharePoint Portal (includes document management and project dashboard reporting); and 4) charges for work outreach programs.

Schedule/Budget:
The 10-Year CIP Plan for FY2019-2028 allocated additional funds of $23.266M to the PD account for a total cumulative of $25.114M through FY2028.

Table 3.1: Summary of 2018 Proposed Hetchy Capital Improvement Programs*

Project No.	Project Name	Proposed Start	Proposed Finish	Proposed Budget
Hetchy Capital Improvement Programs				**$682, 934,121**
Water Infrastructure Projects				**$137,935,975**
Water Conveyance (Water)				**$126,549,315**
CUH10001	SJPL Rehabilitation	11/08/10	12/31/18	$5,370,000
CUH10003	Lower Cherry Aqueduct	02/01/14	01/31/20	$18,515,315
CUH100N02	SJPL Tesla Valves Replacement *(New)*	01/02/20	06/28/24	$7,380,000
CUH100N04	SJPL Valve and Safe Entry Improvement *(New)*	07/01/19	07/01/25	$95,284,000
Dams & Reservoirs				**$5,308,000**
10033156	Moccasin Reservoir Perimeter Security Fence	02/20/17	07/01/21	$5,308,000
Water Infrastructure Project Development				**$6,078,660**
CUH100PD	Water Only- Project Development	03/26/12	06/30/28	$6,078,660
Power Infrastructure Projects				**$151,191,734**
Water Conveyance (Power)				**$17,805,331**
CUH10113	Kirkwood Penstock	07/01/15	06/28/19	$4,647,523
CUH10116	Moccasin Penstock	02/01/16	12/31/24	$13,157,808
Powerhouse				**$93,446,920**
CUH10102	Holm and Other Powerhouse Projects	09/03/13	03/30/20	$26,733,285
CUH10114	Moccasin Powerhouse and GSU Rehabilitation	01/04/16	06/28/24	$66,713,635
Switchyard & Substations (Power)				**$29,839,280**
CUH10115	Warnerville Substation Rehabilitation	09/01/15	03/04/20	$24,305,425
CUH10119	Early Intake Switchyard Slope Hazard Mitigation	11/01/14	09/30/20	$5,533,855

Hetch Hetchy Capital Improvement Programs 2018 Proposed Baseline

Project No.	Project Name	Proposed Start	Proposed Finish	Proposed Budget
Power Infrastructure Project Development				**$10,100,203**
CUH101PD	Power Only- Project Development	05/29/12	06/30/28	$10,100,203
Joint Infrastructure Projects				**$393, 806,412**
Buildings (Joint)				**$20,839,420**
CUH10214	Moccasin Facilities New Construction	03/05/12	06/28/19	$20,839,420
Dams & Reservoirs (Joint)				**$33,418,439**
100329030	O'Shaughnessy Dam Outlet Works Phase I	02/01/18	08/25/22	$17,206,000
CUH10216	Cherry Dam Outlet Works Rehabilitation	01/05/15	06/28/19	$10,382,439
CUH10223	OSH Dam Access and Drainage Improvements	03/01/17	02/26/21	$5,830,000
Mountain Tunnel				**$261, 718,951**
CUH10220	Mountain Tunnel Inspection & Repairs	03/27/15	12/31/19	$23,500.000
CUH10221	Mountain Tunnel Improvement Project	10/03/11	12/31/26	$238,218,951
Roads & Bridges (Joint)				**$44,287,000**
CUH102-N07	Bridge Replacement *(New)*	07/01/19	12/30/25	$44,287,000
Tunnels (Joint)				**$8,428,813**
CUH10215	Canyon Tunnel Rehabilitation	06/30/17	04/04/22	$8,428,813
Power Infrastructure Project Development				**$25,113,789**
CUH102PD	Joint - Project Development	06/25/12	06/30/28	$25,113,789

* Includes projects greater than $5 million that are currently active or are scheduled to start in FY2018-19 or FY2019-20. The only exception is CUH10113, Kirkwood Penstock, at a cost of $4.6M, which is included for continuity because this project has been included in the quarterly reports without interruption from its inception and is still active.

Appendix A. Cost Summary of 2018 Proposed Baseline for HCIP

Project No.	PROJECT NAME	CONSTRUCTION COST [1]	DELIVERY COST [2]	OTHER COSTS [3]	TOTAL PROJECT COST
Hetchy Capital Improvement Programs		**$365,595,610**	**$252,303,670**	**$65,034,840**	**$682,934,120**
Water Infrastructure Projects		**$74,919,920**	**$53,965,640**	**$9,050,415**	**$137,935,975**
Water Conveyance (Water)		**$71,937,889**	**$45,714,011**	**$8,897,415**	**$126,549,315**
CUH10001	SJPL Rehabilitation	$2,355,819	$3,014,181	$0	$5,370,000
CUH10003	Lower Cherry Aqueduct	$7,011,670	$6,988,330	$4,515,315	$18,515,315
CUH100N02	SJPL Tesla Valves Replacement *(New)*	$5,400,000	$1,980,000	$0	$7,380,000
CUH100N04	SJPL Valve and Safe Entry Improvement *(New)*	$57,170,400	$33,731,500	$4,382,100	$95,284,000
Dams & Reservoirs		**$2,982,031**	**$2,172,969**	**$153,000**	**$5,308,000**
10033156	Moccasin Reservoir Perimeter Security Fence	$2,982,031	$2,172,969	$153,000	$5,308,000
Water Infrastructure Project Development		**$0**	**$6,078,660**	**$0**	**$6,078,660**
CUH100PD	Water Only/Proj Dev	$0	$6,078,660	$0	$6,078,660
Power Infrastructure Projects		**$83,273,470**	**$50,997,697**	**$16,920,567**	**$151,191,734**
Water Conveyance (Power)		**$7,202,032**	**$6,812,456**	**$3,790,843**	**$17,805,331**
CUH10113	Kirkwood Penstock	$1,236,052	$2,231,928	$1,179,543	$4,647,523
CUH10116	Moccasin Penstock	$5,965,980	$4,580,528	$2,611,300	$13,157,808
Powerhouse		**$57,263,514**	**$26,682,069**	**$9,501,337**	**$93,446,920**
CUH10102	Holm and Other Powerhouse Projects	$12,682,014	$4,549,934	$9,501,337	$26,733,285
CUH10114	Moccasin Powerhouse and GSU Rehabilitation	$44,581,500	$22,132,135	$0	$66,713,635
Switchyard & Substations (Power)		**$18,807,924**	**$7,402,969**	**$3,628,387**	**$29,839,280**
CUH10115	Warnerville Substation Rehabilitation	$16,886,432	$6,069,461	$1,349,532	$24,305,425
CUH10119	Early Intake Switchyard Slope Hazard Mitigation	$1,921,492	$1,333,508	$2,278,855	$5,533,855
Power Infrastructure Project Development		**$0**	**$10,100,203**	**$0**	**$10,100,203**
CUH101PD	Power Only/Proj Develop	$0	$10,100,203	$0	$10,100,203
Joint Infrastructure Projects		**$207,402,221**	**$147,340,333**	**$39,063,858**	**$393,806,412**
Buildings (Joint)		**$4,775,795**	**$13,188,864**	**$2,874,761**	**$20,839,420**
CUH10214	Moccasin Facilities New Construction	$4,775,795	$13,188,864	$2,874,761	$20,839,420
Dams & Reservoirs (Joint)		**$13,963,258**	**$10,388,855**	**$9,066,327**	**$33,418,439**
100329030	O'Shaughnessy Dam Outlet Works Phase I	$10,323,600	$6,882,400	$0	$17,206,000
CUH10216	Cherry Dam Outlet Works Rehabilitation	$141,658	$1,248,022	$8,992,759	$10,382,439
CUH10223	OSH Dam Access and Drainage Improvements	$3,498,000	$2,258,433	$73,567	$5,830,000
Mountain Tunnel		**$157,590,967**	**$83,450,386**	**$20,677,598**	**$261,718,951**
CUH10220	Mountain Tunnel Inspection & Repairs	$15,403,967	$8,028,496	$67,536	$23,500,000
CUH10221	Mountain Tunnel Improvement Project	$142,187,000	$75,421,889	$20,610,062	$238,218,951
Roads & Bridges (Joint)		**$26,572,200**	**$16,829,060**	**$885,740**	**$44,287,000**
CUH102-N07	Bridge Replacement *(New)*	$26,572,200	$16,829,060	$885,740	$44,287,000
Tunnels (Joint)		**$4,500,000**	**$3,928,813**	**$0**	**$8,428,813**
CUH10215	Canyon Tunnel Rehabilitation	$4,500,000	$3,928,813	$0	$8,428,813
Power Infrastructure Project Development		**$0**	**$19,554,355**	**$5,559,434**	**$25,113,789**
CUH102PD	Joint - Project Development	$0	$19,554,355	$5,559,434	$25,113,789

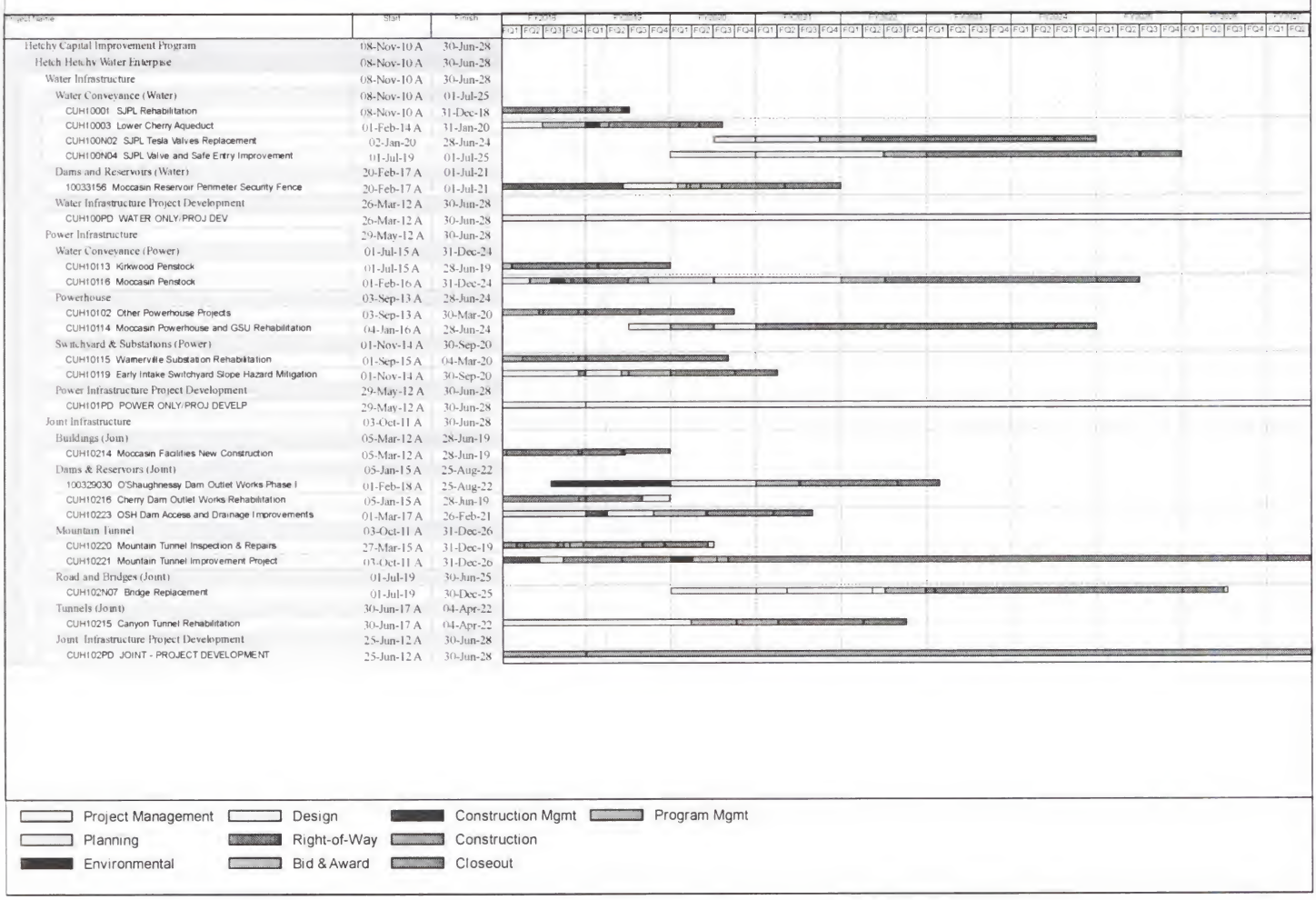
NOTES:

(1) **Construction Costs** include the Construction Base Bid, Construction Contingency and owner-provided equipment/material.

(2) **Delivery Costs** include program and project management, planning, environmental (CEQA, permitting, construction compliance), design, construction management, and engineering support during construction.

(3) **Other Costs** include environmental mitigation, art enrichment, security improvements and real estate expenses.

Appendix B. Hetch Hetchy Enterprise Proposed Project Level Schedules



PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. **18-0215**

WHEREAS, The City and County of San Francisco (City) owns public utility easements (Easements), in which the San Francisco Public Utilities Commission (SFPUC) has an interest, that encumber portions of the real property located in San Francisco designated as Assessor's Block 8709, Lots 018, 019, 021, 022 (Burdened Property); and

WHEREAS, Block 8709, Lot 18 is owned by ARE-San Francisco No. 36, LLC, Block 8709 Lots 19 and 22 are owned by ARE-San Francisco No. 15, LLC, and Block 8709, Lot 21 is owned by Mission Bay Commercial Maintenance Corporation; and

WHEREAS, The City acquired the Easements as part of an earlier subdivision of the Burdened Property; and

WHEREAS, The City and Catellus Development Corporation entered into the Mission Bay South Owner Participation Agreement, to which this Commission consented by SFPUC Resolution No. 98-0238; and

WHEREAS, The SFPUC anticipated dedication of new water and wastewater infrastructure within public streets or within dedicated easements serving the Burdened Property and Mission Bay, and has received the Replacement Infrastructure (as defined below) and Replacement Easements (as defined below); and

WHEREAS, On June 24, 2008, by Motion No. M08-102, the Board of Supervisors approved Final Map No. 4375 (Final Map) merging and re-subdividing the Burdened Property. The Final Map called for a vacation of the Easements (Vacation Area), totaling approximately 12,279 square feet, and offered new public utility easements (Replacement Easements), totaling approximately 56,931 square feet; and

WHEREAS, Under Motion No. M08-102, the Board of Supervisors granted authority to the Director of Public Works to quitclaim the Vacation Area, subject to confirmation of abandonment or relocation of the facilities within the Vacation Area and acceptance of alternate facilities, and because of this Commission's authority under City Charter Section 8B.121(e) to dispose of assets under its jurisdiction, this Commission's approval is required for such quitclaim; and

WHEREAS, On July 22, 2008, the City, through the City's Director of Property, accepted the Replacement Easements in accordance with Motion No. M08-102; and

WHEREAS, Through PW Order No. 179,517, dated September 11, 2011, the Director of the San Francisco Public Works Department (Public Works), in consultation with SFPUC staff, confirmed the abandonment or relocation of the facilities within the Vacation Area and acceptance of alternate facilities (Replacement Infrastructure) within the Replacement Easements; and

WHEREAS, In 2011, the Board of Supervisors accepted the Replacement Infrastructure through Ordinance No. 215-11; and

WHEREAS, The SFPUC Wastewater Collection System Division, the SFPUC City Distribution Division, and Public Works have advised this Commission that there are no in-place public utility facilities that are in use that would be affected by the quitclaim of the Vacation Area; and

WHEREAS, Under the terms of the instrument conveying the Easements, City holds rights allowing for access, ingress and egress, construction, installation, operation, maintenance, repair, and replacement of works, improvements, structures for storm drain, sanitary sewer, water, gas, electric, power, other municipal utility purposes, and any other public utilities essential for public health and safety, but City has discontinued use of the water and storm drain pipelines placed in the Vacation Area and has no further use for the Vacation Area; and

WHEREAS, On April 26, 2016, by Resolution No. 16-0077, this Commission approved a partial vacation of the Easements and SFPUC staff now proposes to transfer the remainder of the Easements because the SFPUC no longer requires the Vacation Area or any utilities located therein by executing four easement quitclaim deeds to quitclaim Block 8709, Lot 18 to ARE-San Francisco No. 36, Block 8709 Lots 19 and 22 to ARE-San Francisco No. 15, LLC, and Block 8709, Lot 21 to Mission Bay Commercial Maintenance Corporation (cumulatively, "Easement Quitclaim Deeds"); and

WHEREAS, Because the cumulative square footage of the Replacement Easements far exceeds the cumulative square footage of the Vacation Easements, SFPUC has determined that the value of the Replacement Easements and the Replacement Infrastructure is equal to or exceeds the estimated value of the now unused Vacation Area and thus provides adequate compensation to SFPUC for the proposed Easement Quitclaim Deeds; and

WHEREAS, On September 17, 1998 the Redevelopment Agency Commission certified the Final Mission Bay Subsequent Environmental Impact Report (FSEIR), under Resolution Number 182-98; and

WHEREAS, The SFPUC Wastewater Enterprise Collection System and Water Enterprise City Distribution divisions have confirmed that replacement potable water mains and sewer pipelines rendered unnecessary any utilities in the utility easements to be vacated . The SFPUC has determined that vacation of the subject utility easements is within the scope of the FSEIR, and that these documents are adequate for the SFPUC's use in authorizing the General Manager to execute and record the proposed Quitclaim Deeds. The FSEIR and other materials that are part of the record of this approval are available for public review at the offices of the SFPUC, Real Estate Services Division, 525 Golden Gate Avenue, 10th Floor, San Francisco, CA; and

WHEREAS, Since the FSEIR was certified, addenda to the FSEIR were issued by the Office of Community Investment and Infrastructure (successor agency to the Redevelopment Agency). The addenda confirmed that no further environmental review was necessary and that development approvals relied on the FSEIR for compliance with CEQA. The FSEIR, including any addenda thereto, shall be collectively referred to as the "FSEIR"; and

WHEREAS, There have been no substantial changes to the project since approval, or changes in circumstance that would result in new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the FSEIR; and

WHEREAS, The Redevelopment Agency Commission adopted the mitigation measures included in the FSEIR and assumed responsibility for their implementation. The SFPUC has no direct authority or responsibility with respect to the project other than the request by the property owner (ARE-San Francisco No. 15, LLC) and the SFPUC execution and recordation of the Quitclaim Deeds to vacate the public utility easements; now, therefore, be it

RESOLVED, That the SFPUC has reviewed and considered the FSEIR and finds that this approval is within the scope of the Redevelopment Agency's and the Office of Community Investment and Infrastructure's project and that this document is adequate for its use in approving the Easement Quitclaim Deeds]; and be it

FURTHER RESOLVED, That this Commission hereby finds that the Vacation Area is surplus and unnecessary for any present and prospective SFPUC utility uses; and be it

FURTHER RESOLVED, That this Commission approves the quitclaim of the Vacation Area to ARE-San Francisco No. 36 (Block 8709, Lot 18), ARE-San Francisco No. 15, LLC (Block 8709 Lots 19 and 22), and Mission Bay Commercial Maintenance Corporation (Block 8709, Lot 21) and approves the terms and conditions of the Easement Quitclaim Deeds and authorizes the SFPUC General Manager to execute the Easement Quitclaim Deeds, in substantially the same form presented to this Commission; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, to execute the Easement Quitclaim Deeds and enter into any amendments or modifications to the Easement Quitclaim Deeds; including without limitation, modification, addition, or deletion of exhibits and to enter into any related documents, instruments, memoranda, or other agreements reasonably necessary to consummate the transaction contemplated in the Easement Quitclaim Deeds, that the General Manager determines, in consultation with the City Attorney, are in the best interests of the City; do not materially increase the liabilities or obligations of the City or materially diminish the benefits to the City; are necessary or advisable to effectuate the purposes and intent of the Easement Quitclaim Deeds or this Resolution; and comply with all applicable laws, including the City Charter; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager and/or the City Director of Property to take any and all other steps they, in consultation with the City Attorney, deem necessary and advisable to effectuate the purpose and intent of this Resolution.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of December 11, 2018.

Donna Hood

Secretary, Public Utilities Commission

San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
City and County of San Francisco

London N. Breed
Mayor

CANCELLATION NOTICE

The regular meeting of the
San Francisco Public Utilities Commission
Tuesday, December 25, 2018
1:30 P.M.
1 Dr. Carlton B. Goodlett Place
City Hall, Room 400
San Francisco, CA 94102

HAS BEEN CANCELLED

Commissioners
Vince Courtney President
Ann Moller Caen, Vice President
Francesca Vietor
Anson Moran
Ike Kwon

Harlan L. Kelly, Jr.
General Manager

Donna Hood
Secretary

For information, contact the Commission Secretary at 415-554-3165
Minutes and other information are available on the SFPUC web site:
www.sfwater.org
Gavel-to-Gavel coverage available at:
http://sanfrancisco.granicus.com/ViewPublisher.php?view_id=22

San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13TH Floor
San Francisco, CA 94102